

Activity Risk Control / Task Risk Assessment

Issue Date: 28 th October 2025	Next Formal Review: As Required	Doc Ref No. NON OPS RA TRA 2501
---	---------------------------------	---------------------------------

Title	Valleyfield Ash Lagoons – Clearing Outfall 6 Non-return Flap Valves			Safety Critical Requirements
Author/Title	L.McCulloch	Non-Operational Sites Lead		
Owner/Title	L.McCulloch	Non-Operational Sites Lead		
Issue Authority	Signature	[Redacted]	Date:	28 th October 2025
Contributors	S Lynch			
References	<ul style="list-style-type: none"> 5th Edition Safety Rules. WOC LT26/?? Outfall No6 – Method Statement SI-001 Arrangements for General Safety Major Incident Plan. 			
CDM 2015	This ARC plus Point of Work Risk Assessment, and any other RELEVANT INFORMATION shall be considered as a Relevant, Appropriate and Proportionate (RAP) 'Construction Phase Plan (CPP) required by CDM 2015 for routine works.			

Description of Works:

The method statement covers the safe system of work required to allow the clearing of debris from the Outfall 6 Non-return Flap Valves.

Point of Work Risk Assessment:

A Point of Work Risk Assessment should be completed prior to starting work and reviewed accordingly. All significant hazards and controls should be recorded and communicated.

ADDITIONAL SIGNIFICANT HAZARDS IDENTIFIED AS PART OF THE PLANNING PROCESS

The works will be carried out on the public path around the lagoon perimeter with members of the public routinely walking in the vicinity. Works will temporarily stop to allow passing pedestrians.

RECORD OF AMMENDMENT

Reviewed	Issue No.	Author	Amendment Author	Reason

RECORD OF RECEIPT				
Recipient	Signature	Date	Company	Comments

SAFETY RISKS

Activity	Hazard	Consequence	Control Measures
Working on Operational Site	Working on Operation Site without adequate isolations	<p>During the process of training there will be the operation of mobile plant in close proximity to each other.</p> <p>This increases the possibility of injury to persons as a result of error.</p> <p>Carrying out duties without understanding may lead to poor/incorrect maloperation and cause injury to the Craftsman and/or others.</p>	<ul style="list-style-type: none"> • Application of the 5th Edition Safety Rules to achieve safety from the system which may result in (i) preparation of a safety document (PFW/LAC/ROMP/SFT) stating the plant to be worked on, the work to be done, any precautions taken to achieve safety from the system and any further precautions required to be taken to avoid system derived hazards or, (ii) oral instruction or (iii) application of special procedures. • During the setting to work process the system hazard will be discussed. • Clear labelling/identification of live and decommissioned plant. • Carrying out a good point of work assessment and maintaining situation awareness. • Annual training need analysis and delivery of training for Craftsmen is carried out. Training delivered includes - <ul style="list-style-type: none"> ○ Safety Rules training, Asbestos (Non-licensable work), Confined ○ Space Awareness, Crane Pendant/Slinger & Signaller, Basic ○ spillage Response, Portable Fire Extinguisher, PUWER, Safety ○ Harness, Scaffold Safety • E-learning courses include - <ul style="list-style-type: none"> ○ CoSHH Awareness, Environmental Awareness, Manual Handling, ○ Noise Awareness, PPE

Involvement in emergency situations (fire, first aid, security, environment)		<p>Dealing with minor to severe injuries as a First Aider or being the first responder to a site fire may expose Craftsmen to traumatic and dangerous situations resulting in stress and minor to severe injuries.</p> <p>A fire on-site could lead to risk to life.</p>	<ul style="list-style-type: none"> • A Non-Operational Sites Major Incident Plan shall be communicated and followed for Non Operational sites. • All emergency situations are to be reported Immediately. • First Aid Team membership voluntary with training given • First Aid equipment available on site. • Limited portable Fire Fighting equipment is available on site • In the event of fire, dial 999.
Unauthorised Access to work area.	Potential for harm to members of the public within working area	Struck by falling objects Slips Trips and Falls Exposure to noise	<ul style="list-style-type: none"> • Pedestrian barriers to be utilised to demarcate work area. • Sentries to observe the area around exclusion zone. • Works will cease if practicable to allow pedestrians the right of way. • Sentries will temporarily stop pedestrian access if the need should arise.
Use of hand tools	Heavy impact tools. Sharp edges and points. Ejection of material Dust Repetitive actions / movements	Impact injury and or bruising. Cuts and abrasions. Slips, trips and falls Repetitive Strain Injuries (RSI)	<ul style="list-style-type: none"> • Pre-use checks – tools shall be in good condition. • Tools shall be appropriate for the task. • Regular Breaks / Job rotation where practicable. • Tools shall be used in accordance with manufacturers instructions. • PPE – eye protection, face shield (if appropriate), hearing protection, overalls/protective clothing, safety footwear, gloves (see glove guide) • Any special tools required will be purchased from Approved Suppliers complete with test certificates
Manual Handling	Lifting or moving heavy or awkward object. Reptitive lifting/moving actions	Musculoskeletal injury. Impact injury Crushing / trapping injury Damage to goods and equipment	<ul style="list-style-type: none"> • All staff shall be provided with manual handling training. • Regular Breaks / Job rotation where practicable. • Manual handling assessments shall consider: <ul style="list-style-type: none"> ○ Task – what is to be done ○ Individual – Is the individual capable? ○ Load – size, shape, weight, sharp edges, slippery? ○ Environment – clear transit route, enough space, weather conditions? • Mechanical aids shall be used wherever possible. • 3-point contact on ladders and stairs. • Load not to exceed 25kg.
Use of 360 Excavator	Vehicle movements Traffic/pedestrian interface Lifting and carrying of loads Retrieval of vehicle bogged down. Hydraulic Oil.	<ul style="list-style-type: none"> • Being struck by or run over by a vehicle. • Being struck by something falling from a vehicle. • People falling from vehicles. • Vehicles overturning. • Vehicle to vehicle impact • Vehicle bogged down on Lagoon surface • Falling or dropped load • Damage to goods and equipment • Hydraulic oil entering the river. 	<ul style="list-style-type: none"> • Hired excavator will be specified with biodegradable oil. • Vehicles/mobile plant must only be operated by trained and authorised persons. • Pre-use checks shall be undertaken. • Preventative maintenance undertaken in accordance with hirer/manufacturers instructions. • Use in accordance with manufacturers instructions • All Vehicles/Mobile plant must use audible and/or visual (beacon) warning devices. • Employee/contractors to be aware of vehicle/mobile plant movements within the work area, sentry will direct pedestrians around the work area after alerting the driver. The driver will ground machine before allowing pedestrian to pass. • Lifting chains will be used to pull out a bogged down machine, operatives fixing chains will wear hi-vis clothing and keep line of sight with both drivers. Operatives will vacate the area once chains are taught.

Driving, on and off site.	Vehicle movements. Road conditions. Weather. Traffic/pedestrian interface. Rural roads Wildlife/Farm animals	<ul style="list-style-type: none"> • Being struck by or run over by a vehicle. • Being struck by something falling from a vehicle. • People falling from vehicles. • Vehicles overturning. • Vehicle to vehicle impact • Vehicle to structure impact • Vehicle to animal impact. 	<ul style="list-style-type: none"> • Vehicles/mobile plant must only be operated by trained and authorised persons. • Pre-use checks shall be undertaken. • Preventative maintenance undertaken in accordance with manufacturers instructions / Service agreements. • Employee/contractors to be aware of vehicle/mobile plant movements within the area. • Vehicles maintained with SP Fleet. • ScottishPower Driver Handbook. • Vehicles fitted with trackers to monitor driving behaviour. • Some vehicles fitted with reversing sensors or cameras. • Observe all speed limits.
Failure to follow procedures	Human Factors	Unsafe Acts/Violations	<ul style="list-style-type: none"> • Safety Behavioural Auditing Program • Worksite Audit • Trained competent motivated staff • Hierarchal supervisory structure in place
Outdoor working	Hot/cold temperatures Wet weather Sun Burn Insect bites	Hyperthermia/Hypothermia Skin cancer Allergic reaction Anaphylactic shock	<ul style="list-style-type: none"> • Care shall be taken to minimise disturbance to birds and animals. • Anyone with known severe allergy to insects, should make this known to their supervisor. • Outdoor clothing provided to staff. • Provision of UV barrier lotion. • Provision of insect barrier cream. • Staff site safety inducted and awareness in the form of safety bulletins, toolbox talks etc. of environmental hazards. • Close and secure all boundary gates.
Poor Lighting	Inadequate lighting	Slips, trips and falls, struck against fixed objects	<ul style="list-style-type: none"> • Main works to take place during daylight hours. • Work will cease until lighting levels have been improved.
Environmental Aspect - Accumulation of Waste and subsequent Disposal	Spillage, housekeeping, waste disposal	Spillage, Gas oil and Oil. Breach of licence / permit / authorisation	<ul style="list-style-type: none"> • All persons on site trained in environmental awareness • Site waste bins to ensure correct disposal of waste, including segregation of recyclables and hazardous waste. • Spillages to be cleaned up immediately and reported to SP.
Environmental Aspect – Release of materials to air, water and/or soil.	Spillage, housekeeping, waste disposal	Spillage, Gas oil and Oil. Breach of licence / permit / authorisation	<ul style="list-style-type: none"> • 360 Excavator will be specified biodegradable oil only. • Where specified use of containers and bund should be employed to prevent spillage and release of materials to the general environment. • Spill kits available on site • All persons on site trained in environmental awareness, and spill control where required. • Specific CoSHH assessments must be carried out on the use of substances hazardous to health. • Site waste bins to ensure correct disposal of waste, including segregation of recyclables and hazardous waste. • Local procedures for environmental protection e.g. spill control, drains local to the work area to be banded or covered. • Spillages to be cleaned up immediately and reported to SP • Ecology survey to be carried out for designated species or breeding birds.

HEALTH RISKS

Activity	Hazard	Consequence	Control Measures

COSHH SUMMARY - HIGH RISK SUBSTANCES (From Occupational Hygienist's COSHH Assessment)

Activity	Substance(s)	Consequence	Control Measures

COSHH SUMMARY - LOW/MEDIUM RISK SUBSTANCES

Activity	Substance(s)	Consequence	Control Measures
Use of oils and greases	Hydrocarbons	<p>Carcenogens</p> <p>Skin, eye, respiratory sensitisation, e.g. dermatitis</p>	<p>Eye protection and suitable skin protection shall be used. Ref. MSDS for relevant gloves (see Glove glove). Do not exceed breakthrough times for gloves e.g. disposable nitril gloves shall be changed every 15-20minutes.</p> <p>Protection from inhalation may be required – check relevant MSDS.</p> <p>Where RPE is required, all operatives shall be face-fit tested for a suitable mask with appropriate particle/fume filter.</p> <p>Health surveillance programme</p>

<p>Cleaning of equipment</p>	<p>Lotoxane Orange Solvent Wipes Dust</p>	<p>Carcenogins Skin, eye, respiratory sensitisation, e.g. dermatitis</p>	<p>Eye protection and suitable skin protection shall be used. Ref. MSDS for relevant gloves (see Glove glove). Do not exceed breakthrough times for gloves e.g. disposable nitril gloves shall be changed every 15-20minutes. Protection from inhalation may be required – check relevant MSDS. Where RPE is required, all operatives shall be face-fit tested for a suitable mask with appropriate particle/fume filter. FFFP3 is the mimimum standard of particle (dust) filter.</p>
-------------------------------------	--	--	--