

## **RAF VALLEY - TIDAL FLAP CLEARANCE – OFF-ROAD HIGH PRESSURE WATER JETTING**

### **1 Purpose**

The purpose of the work to which this method statement applies is the cleaning of the tidal flaps using an off-road high-pressure water jetter.

### **2 Application**

This method statement applies to the Tidal Flaps cleaning activities.

### **3 Introduction**

3.1 **Only** a trained and competent team of staff will be used,

3.2 The potential hazards and risks to which the teams may be exposed are:

- High-pressure water
- Working in confined spaces
- Diseases i.e. Weil's, Hepatitis, Tetanus, Dermatitis,
- Lifting operations (manual handling)
- Falling from height whilst working from ladders or above chambers etc
- Injury from falling objects
- Tripping
- Injury from high-pressure water
- Contact with site traffic

3.3 The work by its very nature is varied and consequently will need to be risk assessed on a task specific basis.

### **4 Responsibilities**

#### **4.1 General**

This method statement sets out procedures for the cleaning of Tidal Flaps by means of high-pressure water jetting as specified. Contact telephone numbers, details of working methods and actions, which are required when hazards and risks have been identified.

#### **4.2 Site Person in Charge**

The site Person in Charge will have access at all times to a copy of the accepted Method Statement whilst carrying out the work. This person will ensure that all work is completed in accordance with this accepted Method Statement

### **5 Procedure**

#### **5.1 General**

All operatives will adhere to this Method Statement whilst completing the cleaning of the Tidal Flaps as described by the client and this will be confirmed by operatives signing to say they have received, read, and understood the contents of this method statement and will comply fully.

#### **5.2 Scope of Works Van/Pack, Jet/Vac**

On arrival at site, the Wales Environmental Ltd (WEL) supervisor will contact the responsible person and obtain necessary permits and note any special precautions required. All WEL staff carrying out duties will have been through approved training and all High-Pressure Water Jetting personnel will have received the site safety induction prior to any works commencing.

The off-road tracked jetter will be brought to Tidal Flaps drain by a 4 x 4 vehicle by trailer and unloaded near to the its working position. The trailer will be moved away from the area and parked in a safe position.

The off-road tracked jetter unit will be linked to the Aqua Vac via a 100 meter hose and the aqua vac started up.

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A supervisor will control the teams for the duration of the job and ensure that all operators are wearing issued PPE. All engineers must wear the appropriate P.P.E. provided and to carry out any other on-site procedures as required by site and location in accordance client's requirements.

Provide signage, lighting and guarding to isolate working areas, taking into consideration the protection of any adjacent properties. Particular attention must be given to the Access and Egress provision on the entry road to the site.

Follow procedures for High Pressure Water Jetting Vacuumation (HPWJ) as listed below.

- Ensure adequate supply of water, layout hoses and visually check for damage and leaks.
- Assemble HPWJ equipment and check joints.
- Ensure HPWJ filters are clean and sound.
- Visually check that correct size and type of nozzle is fitted for this HPWJ application.
- Increase pressure on HPWJ slowly until operating conditions are reached.
- Recheck all hoses and joints for leaks and attach a tiger tail to hose.
- Rectify all leaks ensuring that the HPWJ unit is shut down and line pressure released before making adjustments.
- When removing hoses from the drain make sure you remove the last 3 metres by hand and the use vehicle hydraulics to wind it onto the spool.
- On completion of the 'jet/vac' works, all manhole covers replaced and sealed if necessary. Care will be taken to seat the covers so that no trips are created. The HPWJ equipment will be stripped down, cleaned if necessary and packed away in a neat and tidy manner.
- The site will be cleaned of all signs, lights and guards and debris to the customer's satisfaction.
- All bagged debris will be removed from site and disposed of to an approved waste transfer station in accordance with local and national environmental legislation.
- All safety equipment will be cleaned, checked, and carefully stored away.
- The engineer will ensure that the customer has signed all necessary paperwork.

### **5.3 Labour Force**

Each drain cleaning team will consist of:

- Supervisor
- Skilled operator

Name and telephone numbers of contact: Will be supplied.

### **5.4 Training**

The teams will be trained in:

- High-pressure water jetting safety awareness
- Emergency first aid
- Signage, lighting and guarding
- Working in confined spaces
- Safe Manual Handling Techniques

### **5.5 Lifting Equipment**

A risk assessment will be completed for manual lifting operations. A site-specific method statement will be completed where heavy items are to be lifted.

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### **5.6 Portable Tools**

Portable tools used will be hand tools such as shovels, drain scoops and buckets. Special items will be detailed on the list of equipment to be used for each job.

### **5.7 Mechanical Plant**

All plant brought onto site will be regularly maintained and tagged for identification purposes. Mechanical plant is listed as below will be located as close to the work area as is permitted.

- Tracked HPWJ units

### **5.8 Materials**

Up to date Manufacturers' Material Safety Data sheets for any hazardous substances will be supplied in accordance with Control of Substances hazardous to Health Regulations 2002 (as amended) (COSHH 2002) and COSHH Assessments will be available at all times to cover any hazardous substances used.

### **5.9 Storage and Handling of Hazardous Substances and Materials**

Care will be taken to ensure that all hazardous substances will be stored and handled in accordance with the manufactures safety data sheets and COSHH assessments and secured when not in use.

We will also ensure that the disposal of such materials and substances, and their containers will be done so responsibly and in accordance with local authority and national legal requirements.

### **5.10 Working on Private Land**

Where work is to be carried out on private land, consultation with the land owner/s will take place prior to any work being commenced. All reasonable conditions will be adhered to and agreements made in writing. If agreement cannot be reached at this stage, then negotiation will take place between the site representative, the landowner/s and the client.

### **5.11 Temporary Lighting and Power**

Temporary lighting will be provided by:

- Portable electric lighting rigs (festoon lights)
- Hand held battery powered torches

Power will be obtained from client's power sources wherever possible. However, if this is not available, an approved portable diesel generators will be used.

### **5.12 First Aid**

All vehicles are equipped with a suitable first aid kits.

A Nominated First Aider is available at each depot together with the necessary first aid equipment

All accidents will be reported, logged and where appropriate investigated.

### **5.13 Personal Protective Equipment**

All operators will be issued with, and trained in the use of the following PPE:

General - Overalls, gloves, hard hats, safety boots, and yellow two band and brace HI Vis jackets, safety glasses.

Specific - Full face visor, ear defender, wetsuit, safety wellington boots.

Detailed records of monitoring, servicing and calibration of all equipment are available for inspection, along with records of issue and use of PPE.

### **5.14 Accidents, Incidents and Reporting of Injuries, Diseases and Dangerous Occurrences (RIDDOR 2013)**

All accidents will be recorded in the accident book and reported to the client. Copies will be sent to the client if so requested.

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The company's SHEQ Advisor, Mr Kevin Stewart will investigate all reportable incidents.

The site safety file will contain a site-specific accident book, although all information entered will be recorded in the depot accident book.

### **5.15 Housekeeping**

All working areas on all sites will be left clean, tidy, clear of any obstruction and safe on completion of works.

All waste will be removed from site and disposed of to a licensed waste transfer station and in accordance with local and national legislation.

### **5.16 Access and Egress to Authorised Personnel**

Via approved exits and entrances and other safe areas, which will be determined by a site-specific risk assessment.

### **5.17 Emergency Procedures**

Wales Environmental Ltd emergency contact numbers are:

Office Hours: 02920 456456 – 24 hour No

Email: enquiries@walesenviro.com

### **5.18 Transportation**

All operators use vans or Lorries for transport to and from the work site.

## **6 Related Documents**

- Risk Assessment WEL RVRA 01 – RAF Valley - Tidal Flap Clearance – Off-Road High Pressure Water Jetting

**Wales Environmental Ltd Places Great Importance on Everyone's Safety: Failure to Comply with Any of The Above May Result in Disciplinary Action**

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