WILLIAMS
SOUTHERN LIMITED
CONSTRUCTION

DUST MANAGEMENT PLAN

Esso Horsham Express
Redkiln Way
Horsham
West Sussex
RH13 5QN

Prepared by			
Name	Andrew Cunningham	Title/Position	Senior Contracts Manager
Signature	*Andrew Cunningham*	Date	270325

Site manager responsible for Dust management:

- Site manager Rob Guiney (07772 328723) will be responsible on a day to day basis of managing the dust on site.

Head Office Details:

- Williams Southern Limited
  Southern House
  Eagle Close
  Langage Business Park
  Plympton
  Devon
  PL7 5HZ

Site Manager will:

- Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken.

- Make the complaints log available to the local authority when asked.

- Record any exceptional incidents that cause dust and/or air emissions, either on- or off-site, and the action taken to resolve the situation in the log book.

Monitoring

- Carry out regular site inspections to monitor compliance with the DMP, record inspection results, and make an inspection log available to the local authority when asked.

- Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.

Preparing and maintaining the site

- Plan site layout so that machinery and dust causing activities are located away from receptors, as far as is possible.

- Erect solid screens or barriers around dusty activities or the site boundary that are at least as high as any stockpiles on site

- Avoid site runoff of water or mud.

Operating vehicle/machinery and sustainable travel

- Ensure all vehicles switch off engines when stationary - no idling vehicles.

- Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where practicable

Operations

- Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems.

- Ensure an adequate water supply on the site for effective dust/particulate matter suppression/ mitigation, using non-potable water where possible and appropriate

- Use enclosed chutes and conveyors and covered skips.

- Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate.

Waste management

- Avoid bonfires and burning of waste materials.

<u>Demolition</u>

- Ensure effective water suppression is used during demolition operations. Hand held sprays are more effective than hoses attached to equipment as the water can be directed to where it is needed. In addition high volume water suppression systems, manually controlled, can produce fine water droplets that effectively bring the dust particles to the ground.

- Avoid explosive blasting, using appropriate manual or mechanical alternatives.

- Bag and remove any biological debris or damp down such material before demolition

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Dust Management Plan Amendment Record

Rev No.	*Description*	*Author by*	*Date*	*ApprovedBy*

Revision Log

Amendments to the contents of this Dust Management Plan are to be recorded below.

Following planned reviews any amendments are to be recorded here including reference to the date of the review and location of the review records. Regular amendments should not be recorded.

This Plan must be reviewed / checked each month or whenever a project change takes place. This includes review of each relevant Appendix document

Site-Specific Amendments

Amendment No.	*Description*	*Date*

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1 TYPE OF DEMOLITION WORKS GIVEN TO DUST ARISINGS

The soft strip demo followed by the full demolition of the PFS building, forecourt canopy, car wash, grub up foundations, break out old forecourt, fuel pipelines and petrol tanks.

2 DEMOLITION METHODOLOGY

Demolish Canopy using an excavator with hydraulic sheer and grapple attachments.
Break up all concrete using an excavator with hydraulic breaker attachment.Break out below ground tanks using an excavator with breaker attachment.

3 DESCRIPTION OF STRUCTURE/BUILDING/EXERNALS

Current Use	Petrol station
Occupancy	Currently Occupied
Type of Construction	Canopy is steel and Aluminium underlining sheets
General Condition	Good
Roof Structure	Steel Profile sheets
Foundations	Concrete
External Surfacing	Concrete/ HRA

4 PROTECTING THE PUBLIC/PROPERTY/OPERATIVES (CONTAINMENT)

Arrangements for protecting members of the public will include the following:

a) Site security, including the provision of Heras fencing.

b) The control of spectators and/or site visitors via designated secure site gates .

d) Containment of demolition materials using debris netting on the fence.

e) Control of dust via water suppression.

f) Gateman at the entrance / exit for deliveries.

g) Cleaning of Vehicle tyres prior to exit.

h) PPE provided to operatives undertaking demolition works.

i) Road sweeper use when required.

5 SPECIFIC CONSTRAINTS / RESTRICTIONS

There are no constraints or restrictions on site.

6 HERITAGE AND GEOLOGICAL IMPORTANCE

N/A

7 METHOD OF DUST SUPPRESSION

While soft stripping, dust will be counteracted by hand pump dust suppression.

Dust from the Canopy demolition will be minimal and suppressed by operatives hosing down with a Jet washer, debris netting will be erected on the site perimeter Heras fence panels.



Stockpiles of dust producing materials will be positioned well away from boundaries, if necessary, in dry and windy periods will be covered or screened to prevent wind-blown dust.

To prevent mud on the roads, a Jet wash will utilized to ensure that no debris gets past the site exit. Delivery vehicles will not be permitted to depart until they have been suitably cleaned.

8 CHECKLIST (prior to works)

If any of the following questions are answered 'No' then an explanation must be given in the comments box below.

	ITEM	Yes	No	N/A
10	Debris netting erected?	●		
11	Water supply available?	●		
12	Jet wash and bowser on site and working?	●		
13	Public/property/operative protection measures in place?	●		
14	Dust Suppression in place?	●		
15	Surrounding occupants notified?	●		

16	RAMS in place for all Tasks?	●		

Comments
The perimeter of the site will be secured by erecting Heras fencing. An exclusion zone will be erected around the areas of demolition. A full methodology of the demolition works will be detailed within the site specific RAMS which will be kept in the site office. RAMS for all works on site be retained and briefed to all operatives prior to work commencing during the Pre-start work discussion.

Map of surrounding area of the site



Street view of the site

