

Huntingdonshire

district council

PERMIT

Pollution Prevention and Control Act 1999

Pollution Prevention and Control (England and Wales) Regulations 2000 SI 1973 (as amended)

Permit Reference No: PET 1/99/A

Huntingdonshire District Council (the regulator) hereby permits Sainsbury Supermarket Limited of Stamford House, Stamford Street, Blackfriars, London SE1 9LL to operate a process for the unloading into storage of petrol from mobile containers at a service station, as defined in Part B(d) of Section 1.2 of Schedule 1 to the Pollution Prevention and Control (England and Wales) Regulations 2000 SI 1973, as amended, and as described below in accordance with the following conditions which shall apply forthwith.

Address of permitted activity: **Sainsbury Supermarket Limited
St.Germain Walk
Nursery Road
Huntingdon
Cambridgeshire
PE29 3FG**

Description of Process

The unloading of petrol into stationary tanks at a service station within the process boundary marked on the attached plan reference PET 1/99/A. The service station has 4 storage tanks, 3 of which are used for petrol, as shown on the attached drawing reference G-1067-99.

Conditions

1. Vapours displaced by the delivery of petrol into storage installations at service stations must be returned through a vapour tight connection line to the mobile container delivering the petrol. Unloading operations may not take place unless the arrangements are in place and properly functioning, subject to Condition 3, 4 and 5.
2. The operator shall implement the schedule of preventative maintenance for the vapour recovery installation as documented in "Sainsbury's Stage 1b Vapour Recovery – Details of Operation" provided as part of the application for authorisation dated 24 September 1999 (included as Appendix to this permit).

3. All reasonable practicable steps shall be taken to prevent uncontrolled leaks of vapour from vents, pipes and connectors from occurring. The regulator shall be advised without delay of the circumstances of such a vapour leak if there is likely to be an effect on the local community, and in all cases such a vapour leak shall be recorded in the log book required under Condition 24.

In this condition and in Condition 4 a vapour leak means any leak of vapour excepting those which occur through the vent mentioned in Condition 11 during potentially hazardous pressurisation.

4. The operator shall document the corrective measures to be taken and the timescales over which they will be implemented in the event of a vapour leak described in Condition 3.
5. Instances of vapour lock shall be recorded in the log book and, under the circumstances detailed in Condition 3, be advised to the regulator.
6. The procedures in Conditions 2 to 5 inclusive shall be reviewed in light of any modifications which occur to the facilities. The regulator shall be advised of any proposed alteration in operating procedures.
7. Vapour balancing systems shall be of a size and design, as approved by the regulator, to minimise vapour emission during the maximum petrol and vapour flow i.e. when the maximum number of tanker compartments are being simultaneously discharged.
8. The maximum number of tanker compartments being discharged simultaneously shall not exceed 2 (excluding the diesel compartments).
9. The connection points on the tank filling pipes and vapour return pipe shall be fitted with secure seals to reduce vapour leaks when not in active use. Similarly if apertures are provided on storage tanks for the use of a dipstick, these shall also be securely sealed when not in active use.
10. The fittings for deliveries and vapour return pipes shall be different to prevent misconnection.
11. Petrol storage tank vent pipes shall be fitted with a pressure vacuum relief valve to reduce vapour loss or similar device which is at least as effective in minimising emissions during unloading and storage of petrol. Orifice plates shall not be permitted. The pressure vacuum relief valve shall be sized and weighed to prevent vapour loss, except when the storage tanks are subject to potentially hazardous pressurisation.

Operators should note that the sizing and safety features associated with fitting pressure vacuum relief valves may be subject to health and safety legislation.

12. When connecting hoses prior to delivery, the vapour return hose shall be connected before the delivery hose(s). The vapour return hose shall be connected by the road tanker end first, and then at the storage tank end.
13. Adjacent to each vapour return connection point, there shall be a clearly legible and durable notice instructing "Connect vapour return line before off-loading" or similar wording. The sign shall also refer to the maximum number of tanker compartments which may be unloaded simultaneously in accordance with Condition 8, or a clear statement of such shall be made on the Petroleum Delivery Certificate.

14. If dip testing of storage tanks or road tanker compartments is performed before delivery, the dip openings shall be securely sealed prior to the delivery taking place.
15. Road tanker compartments dip testing should not be performed whilst the vapour hose is connected.
16. A competent person shall remain near the tanker and keep a constant watch on hoses and connections during unloading.

A competent person is one who has sufficient theoretical training and practical instruction in order to enable them to carry out their duties in respect of using (or supervising the use of) and maintaining vapour balancing controls, and actions to be taken in the event of a leak of vapour. They should also follow procedures for safe operations for petrol unloading laid down in petroleum licence conditions and in the Carriage of Dangerous Goods by Road Regulations 1996, SI 2095.

17. All road tanker compartments vent and discharge valves shall be closed on completion of the delivery.
18. On completion of unloading, the vapour hose shall not be disconnected until the delivery hoses have been discharged and disconnected. The delivery hoses shall be disconnected at the road tanker end first. The vapour return hose shall be disconnected at the storage end first.
19. All connection points shall be securely sealed after delivery.
20. If the storage tanks or road tanker compartments are dipped after delivery, the dip openings shall be securely sealed after dip testing.
21. Manhole entry points to storage tanks shall be kept securely sealed except when maintenance and testing are being carried out which require entry to the tank.
22. Petrol delivery and vapour return lines shall be tested in accordance with the schedule provided as part of the application for authorisation dated 24 September 1999 (included as Appendix to this permit).
23. Pressure vacuum relief valves or other similar devices on fixed petrol storage tank vents shall be checked for correct functioning, including extraneous matter, seating and corrosion at least once every three years.
24. The operators shall maintain a logbook at the permitted installation incorporating details of all maintenance, examination and testing, inventory checking, installation and repair work carried out, along with details of training given to operating staff at the service station. The log book shall also detail any suspected vapour leak together with action taken to deal with any leak, in accordance with conditions 3, 4 and 5.

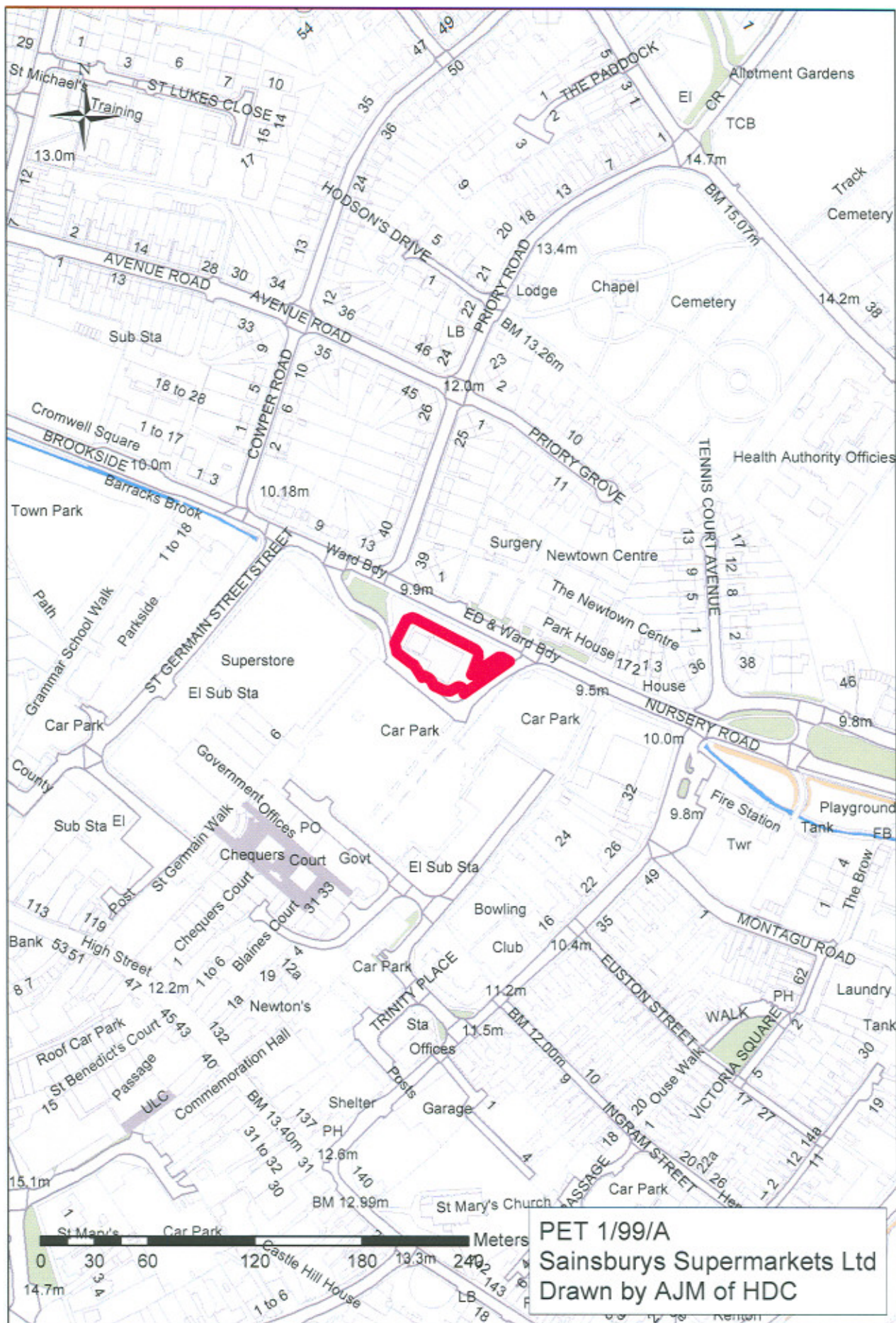
25. Venting of petrol vapour shall be through the vent pipes marked on the attached plan reference G-1067-99. Vent pipes shall be discharged at least three metres above ground level and from any opening windows or ventilation inlets.

Signed:

Elizabeth Wilson
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Director of Operational Services *DA*

Date:

4 April 2005
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DO NOT SCALE

LEGEND

TANK/PUMP CONFIGURATION

TANKS				PUMPS							
TANK No	GRADE	CAPACITY MAX 100% LITRES	CAPACITY NOM 95% LITRES	1	2	3	4	5	6	7	8
1	C/P	15,000	14,250	1							
2	4*	20,000	19,000		1		1				
3	C/D	25,000	23,750	2	2	2	2				
4	U/L	60,000	57,000	0	0	0	0				

PIPEWORK

VENTS (WITH 5m RAISERS) - DURAPIPE VENT PLUS # 63mm (RUNS WITH FILLS)

FILLS - DURAPIPE FILL PLUS # 110mm FILLS

STAGE 2 VAPOUR COLLECTION - DURAPIPE VENT PLUS

STAGE 4 VAP REC PIPEWORK INTO TANK 4 UNLEADED CHAMBER

63mm VAPOUR RECOVERY

SUCTIONS - DURAPIPE PLUS

34mm SUCTION

63mm SPLIT SUCTION

UNLEADED SUCTION

4* SUCTION

CITY DIESEL SUCTION

CITY PETROL SUCTION

DUCTING

150mm DUCTS

75mm DUCTS

PUMPS

WAYNE DRESSER 9000 6-HOSE (4 OFF)



HOSE NUMBERS

HOSE 0 - U.L.P.

HOSE 1 - 4 STAR/CITY PETROL

HOSE 2 - CITY DIESEL

ACCESS COVERS

4 OFF # 900mm (WITH SUB-COVERS)

TANKS

COOKSON & ZINN DOUBLE SKINNED STEEL TANKS (N PEA SHINGLE)

INTERSTITIAL LEAK DETECTION SYSTEM VEEDER-ROOT

OVERFILL PREVENTION VALVES

EMCO WHEATON

TANK GAUGE

VEEDER-ROOT TLS350R

D.C.D.

VEEDER-ROOT DCD350

B	28/7/99	ISS. BY TO DATE	
A	4/8/99	POSSIBLE PROPOSAL FOR J.S. HUNTINGDON	
ISS. DATE	WCD No.	(COMMENTS)	A1
DRWING MAN /	(USED ON)	Wayne	0072550
TITLE:		APPROD/CHECKED	
J.SAINSBURY, -		DRWING	R.J.W
HUNTINGDON		SCALE	1:100
TANK, P/W, DUCT LAYOUT		DRAWING No.	G-1067-99
		SHEET 1 OF 1	SHEET

GENERAL NOTES

1. Implied Conditions

It should be noted that regulation 11 provides that, the mobile plant shall be operated in such a way that -

- (i) all the appropriate preventative measures are taken against pollution, in particular through application of the best available techniques (BAT)¹; and
- (ii) no significant pollution is caused.

¹The interpretation of best available techniques is found in Section 3 of the Regulations and control techniques can be found in Section 6 of the Secretary of States Process Guidance Note 3/16.

2. Variation

The regulator will ensure that the permit remains up to date in line with the requirements set out in regulation 12. This may involve issuing a Variation Notice following amendment to the Secretary of State's Guidance Notes or following receipt of any direction from the Secretary of State.

3. Review of Conditions

The regulator may at any time undertake a review of the conditions in this permit under regulation 15. Where significant pollution is encountered or where there are changes in BAT or where the operational safety of the activity requires other techniques to be used an immediate review shall be undertaken.

4. Appeal

The permitted operator can appeal in writing to the Secretary of State against the items listed in regulation 27.

5. Transfer of Permit

The permitted operator who wishes to transfer the permit to a person who proposes to carry out the activity in the holder's place may do so in accordance with regulation 18. Both the operator and the proposed transferee shall jointly make an application to the regulator to effect the transfer. An application shall include the permit and any fee prescribed in respect of the transfer under regulation 22, and shall contain the operator's and the proposed transferee's contact details.

6. Notification of Proposed Change of Operation

The permitted operator who wishes to make a change in the activity under regulation 16 must notify the regulator at least 14 days before making the change. Such notifications shall be in writing and shall contain a description of the proposed change in the operation of the installation.

7. Variation of Conditions of Permits

Under regulation 17(2), the operator may apply to the regulator to vary the conditions contained within the permit. Such application shall be made in accordance with paragraph 1 of Part 1 of Schedule 7 and shall be accompanied by any fee prescribed in respect of the application under regulation 22; and paragraphs 2 and 3 of Part 1 of Schedule 7 shall have effect with respect to such applications.

8. Other Legal Requirements

This permit is issued solely for the purpose of the Pollution Prevention and Control Act and its associated Regulations and the operator must ensure that he complies with all other statutory requirements.

9. Annual Subsistence Charge

The Secretary of State has drawn up a charging scheme under regulation 22. Under this scheme Local Authorities are required to levy an annual subsistence charge related to the permit. The Local authority will invoice for the amount due which is subject to annual review by the Department of the Environment Food and Rural Affairs.

APPENDIX

Stage 1b Vapour Recovery Maintenance Schedule

Stage 1b Vapour Recovery - Maintenance Schedule

ANNUALLY

- Visual inspection of fill pipe adaptors and caps - replace as required.
- Visual inspection of vapour connection point - including condition of adaptor, poppet valve and dust cover - replace as required.
- Visual inspection of position of and clarity of safety notice replace as required.
- Visual inspection of emission control device - clean/check flame arresters/gauzes.

EVERY THREE YEARS

- Annual maintenance visit plus:
Replace emission control device with new unit certified to meet required pressure and vacuum settings.

EVERY FIVE YEARS

- Annual maintenance visit plus:
Testing of fillpipes, vapour return line(s) and vents.
- Visual inspection of non return ball valves on vapour manifold (if applicable) - clean and check operation.

NOTE:

Testing of fillpipes, vapour return line(s) and vents to coincide with the testing of all pipework at five year intervals.