OUTGOING

PERMIT

Newport

NEWPORT BOROUGH COUNCIL

ENVIRONMENTAL PROTECTION ACT 1990
WASTE MANAGEMENT LICENSING REGULATIONS 1994

Transfer of Waste Management Licence

The Newport Borough Council in pursuance of the powers conferred on them by the Environmental Protection Act 1990 hereby transfer the licence holder of waste management licence No 037/92 from Mr Adrian Henniker, Amatoil Ltd, New Quay Road, Felnex Industrial Estate, Newport, Gwent to Trinco Ltd, 3 Ambassador Place, Stockport Road, Altrincham, Cheshire, WA15 8DB.

The transfer shall take effect from the 25th day of May 1995

Dated: 25th May 1995

Signed .....
Head of Environment & Health

NEWPORT BOROUGH COUNCIL

WASTE MANAGEMENT LICENCE

SITE LICENCE NO: 037/92
SHEET 1 OF 23

Environmental Protection Act 1990

The Newport Borough Council in pursuance of the powers conferred on them by the Environmental Protection Act 1990 hereby licence:-

Trinco Ltd, 3 Ambassador Place,
Stockport Road, Altrincham, Cheshire,
WA15 8DB

herein after called the "licence holder" to operate a waste oil Transfer Station and Treatment Plant for the purpose of recycling on land at 7 New Quay Road, Felnex Industrial Estate, Newport, Gwent. Grid Reference: 323 857 which is edged in red on the drawings attached to this licence, being land occupied by the licence holder.

This licence is granted subject to the conditions set out in the schedule attached hereto.

Dated this 25th day of May 1995.

Signed: .....
Head of Environment & Health

NOTES

These notes are for general guidance only and they do not constitute an authoritative statement of the law.

1. This licence relates only to the requirements of the Environmental Protection Act 1990 for the keeping and treating of waste and the use of plant or equipment subject to the conditions set out in the schedules and does not constitute a consent required by other legislation.

   In particular it is the responsibility of the licence holder to comply with any requirements of the HEALTH AND SAFETY AT WORK ETC, ACT 1974, THE RADIOACTIVE SUBSTANCES ACT 1960, THE TOWN AND COUNTRY PLANNING ACTS, BUILDING REGULATIONS and all relevant Water Protection Laws.

   All discharges to sewer and watercourse have to meet the requirements of the National Rivers Authority and Water Company. Any diversion or other changes will also require the National Rivers Authority or Water Company approval.

2. If the licence holder ceases to occupy the land then the licence may be transferred tot he new occupier within two months of the information required under Schedule 2 of the Waste Management Licensing Regulations being received by the Waste Regulation Authority.

3. If the licence holder wishes to surrender this licence he shall make an application to the authority in such form, giving such information and accompanied by such evidence as the Secretary of State prescribes by regulations and accompanied by the prescribed fee. The licence may only be surrendered if the authority accepts the surrender and issues a certificate of completion.

4. Any contravention of licence conditions may lead to the revocation of this licence.

SCHEDULE A: TYPES OF WASTE

1. The types of waste material accepted at the facility shall consist only of the following:-

	WASTE TYPES	GROUP CODE
a]	Mineral Oils	M10
b]	Kerosene and Derv	M20
c]	Fuel Oil	M30
d]	Vegetable Oils	M40
e]	Oil/Water Mixtures	M50
f]	Fats, waxes and grease	M60
g]	White spirit	K93
h]	Petrol	M15
i]	Interceptor Pit Wastes	R20

2. The maximum quantity of waste stored at the facility at any one time shall not exceed $1000m^3$.

3. Notwithstanding the generality of the above, the following shall be specifically excluded from delivery to the facility.

   a] Any oil containing more than 50 parts per million of PCB's or PCT's.

   b] Substances within the control of Radioactive Substances Act 1993 and any subsequent amendments.

MODIFIED 17th JAN 97

SCHEDULE B: DEFINITIONS

1. In this licence, an "emergency" is defined as a case where a person has reasonable cause to believe that circumstances exist which are likely to endanger life or health or cause damage to property or pollution of the environment.

2. The presence of waste on land gives rise to an "Environmental Hazard" if the waste has been deposited in such a manner or in such a quantity as to subject persons or animals to material risk of death, injury or impairment of health, or as to threaten the environment.

3. Liquids which are "flammable", shall have the same meaning as Schedule 1, Part 1, of the classification, packaging and labelling of Dangerous Substances Act 1984.

4. A "competent person" shall, for the purpose of this licence, mean a person who is the holder of a relevant certificate of technical competence, awarded by the Waste Management Industry Training and Advisory Board.

5. In this licence an authorised officer is an officer authorised by the Waste Regulation Authority for the purpose of the Environmental Protection Act 1990.

6. A "proficient person" shall be a person trained to understand the terms and conditions of this licence, to recognise the general descriptions of waste that may arrive at the facility, and actions to be taken to deal with such wastes and what action to take in the event of an emergency. The 'proficient person' shall be supervised by the person or persons making up the technically competent management of the site.

7. A drum means a container [other than a tank container] having a capacity between 25 and 300 litres.

8. "Toxic and Dangerous Waste" shall have the meaning given by Article 7[b] of Council Directive 78[319] EEC[b].

9. 'PCB's & PCT's' means polychlorinated bipheryls, polychlorinated terphenyls and mixtures containing one or both of such substances.

10. Notwithstanding the above, words and phrases in this licence have the meaning ascribed to them by the Environmental Protection Act 1990.

SCHEDULE C: OPERATIONAL CONDITIONS

Working Plan

1. The statement of intended methods of operation and drawings contained within the attached document submitted by Trinco Limited received by the Waste Regulation Authority on 15 May 1995 shall hereinafter be referred to as the Working Plan.

2. The Licence Holder shall apply in writing to the Waste Regulation Authority for any change in the Working Plan prior to such change being implemented. Within two months of receiving the application for change in the Working Plan the Waste Regulation Authority shall give it's decision in writing to the Licence Holder.

3. Any reference in this Licence to the Working Plan shall include a reference to any modification to the statement or the drawings which have been agreed in writing by the Waste Regulation Authority as appropriate.

4. Subject to the terms and conditions of this Licence, the facility shall be operated in accordance with the Working Plan.

General Conditions

5. A copy of any notice or instruction received in respect of the facility from any authority, other than the Waste Regulation Authority, which in any way relates to the use of the facility, shall be forwarded for information to the Waste Regulation Authority within five working days of the receipt of such notice or instruction.

6. The terms and conditions of this Licence shall be made known to all competent and proficient persons and to any person who is given responsibility for the management or control of the facility and a copy of these terms and conditions shall be kept available at the facility and displayed in a prominent position.

Preparatory Works

7. Lighting in accordance with the Working Plan shall be provided and maintained for those operations which are to be carried out during the hours of darkness as defined by the statutory lighting up times published by the Science and Engineering Research Council.

8. An identification board of durable material and finish shall be maintained and displayed in a prominent position at the facility. This shall give name, address and telephone number of the Operator and the Waste Regulation Authority, the hours of operation and the telephone number to contact in the event of an emergency.

9. Fencing, gates and walls shall be provided at the facility and maintained at all times in accordance with the Working Plan. The gates shall be locked operating hours and at any time the facility is left unattended, in order to prevent unauthorised access to, or deposit on, or removal of materials from the facility. The fencing, gates and walls shall be inspected daily by the facility supervisor and any damage observed shall be made secure within 24 hours of the damage being identified.

10. On site office facilities and the laboratory for the control and testing of received waste shall be proved at the facility.

11. Laboratory equipment shall be provided to enable the competent person to carry out the chemical or physical analysis appropriate to that Waste.

12. The yard area of the facility shall form a permanent impermeable pavement and shall be designed, constructed and maintained to a standard sufficient to prevent the transmission of liquids beyond the pavement surface.

13. Drainage arrangements for the yard area shall be designed, constructed and maintained so that water does not accumulate at the facility. Such arrangements shall include the interception of surface water and spillages so as to prevent contamination of any land not protected by the yard surface.

14. All tanks and drums used for the storage of liquids shall be contained within bunded compounds. The containment capacity of the bund shall be at least 110% of the tank capacity in the case of a single tank. Where multiple tanks or drums are contained within a bund, then the bund capacity shall be either 100% of the capacity of the largest tank or drum, or 25% of the total volume of liquid in the tanks or drums contained within the bund, whichever is the greater. The side walls and base of the bunded areas shall be of an impervious construction.

15. The side walls and base of the Tanker Washer Bay shall be of an impervious construction.

16. All tanks shall be constructed of materials suitable for the containment of the waste within them and clearly labelled to show their contents. They shall confirm, where necessary to all relevant safety and construction standards and shall be installed at a location in accordance with the Working Plan.

17. All tanks indicated in the Working Plan for the storage of liquids shall be fitted with level indicators, so as to avoid overfilling and/or spillages during filling and transfer operations.

18. Provisions shall be made within the confines of the facility for the parking, loading and unloading of vehicles transporting waste and residues to and from the facility.

19. Provisions shall be made for the secure storage of solid reagents and/or other chemicals used for the treatment of waste.

20. The facility shall be designated a no smoking area and appropriate signs shall be prominently displayed.

21. Fire Fighting equipment shall be provided at the site as detailed in the Working Plan.

22. Provision shall be made for the housing of a permanent steam cleaner.

Operational Conditions

23. Within **nine** months from the date of this modification all preparatory works required by Condition 7 to 22 inclusive above shall have been completed.

24. During all operational and maintenance periods the facility shall be under the control of a competent person and manned by a competent person who is capable of ascertaining, and having regard for information supplied with waste materials, that only waste permitted by the Licence is unloaded at the facility.

25. The types of waste and the maximum quantities stored at the facility shall consist only of waste specified in Schedule A of this Licence.

26. Wastes shall be delivered to and removed from the facility only on Mondays to Fridays between the hours of 8.00am and 5.00pm and on Saturdays between the hours of 8.00am and 1.00pm. Except in the cases of emergency, no delivery or removal of waste shall take place outside these hours, or on Sundays or Bank Holidays, without the prior approval of the Waste Regulation Authority. All circumstances of emergency shall be reported forthwith in writing to the Waste Regulation Authority. MODIFIED 17/01/97.

27. A full record shall be kept on forms to be agreed with the Waste Regulation Authority of waste delivered to and removed from the facility, other than that discharged directly to the sewerage system, including materials delivered to and subsequently removed unprocessed from the facility, and copies shall be sent tot he Waste Regulation Authority at a frequency of one calender month. These records shall also be made available to any representative of the Waste Regulation Authority for inspection at the facility at any reasonable time.

28. Each and every load of waste delivered to the facility shall be sampled, analysed and assessed in the site laboratory, so as to ensure that the waste is of the type specified in Schedule A and capable of treatment at the facility.
Copies of the results of these analyses shall be made available to any representative of the Waste Regulation Authority at any reasonable time.

29. Only waste that has been sampled, analysed, assessed and certified by a competent person as being suitable for treatment at the facility, shall be accepted.

30. Staff shall ensure that incompatible materials are not mixed or bulked in such a manner, that their combined chemical properties give rise to adverse reactions resulting in fumes, fires or any other environmental hazard.

31. Staff shall ensure that base oils derived from regeneration do not constitute a toxic or dangerous waste and do not contain PCB's or PCT's in concentrations exceeding 50ppm.

32. Samples taken to comply with Condition 28 shall be properly labelled so as to identify the load, and shall be stored at the facility for not less than 14 days. The samples shall be made available to any representative of the Waste Regulation Authority at any reasonable time during that period.

33. Surface water shall, as necessary, be removed and disposed of from within bunded areas, so as to maintain the available storage capacity required by Condition 13 and to prevent possible pollution of the environment.

34. Measures shall be taken to prevent damage to all pipework, valves, pumps and tanks.

35. The tanker washer bay shall not be used for the storage of waste and shall be regularly steam cleaned.

36. The integrity of all bunds shall be tested to the satisfaction of the Waste Regulation Authority at intervals not exceeding twelve calendar months or as requested by the Waste Regulation Authority. The results of all such tests shall be forwarded to the Waste Regulation Authority within one month of the date of the test.

37. All hard surfaces shall be steam cleaned as necessary, so as to prevent any build up of oil, grease or any other material at the facility.

38. All transfers of flammable solvents between static containers and portable or mobile containers including transfers involving road vehicles shall be carried out using only intrinsically safe pumps.

39. No disposal operations of flammable waste shall take place unless and until measures have been taken to prevent accidental ignition of flammable vapours or liquids.

40. Empty drums being stored for re-use or disposal shall be cleaned and stored only in the area indicated in the Working Plan. No more than one hundred and fifty empty drums shall be stored at any one time and any drum shall not be allowed to remain at the facility for more than one month.

41. No more than three hundred drums containing waste shall be stored at the facility at any one time. Each drum shall be labelled so as to identify its contents as detailed in the Working Plan.

42. Materials segregated for resale or re-use shall be stored only within the areas indicated on the plan attached to this licence.

43. Waste materials and other materials segregated for resale or re-use, shall be loaded, unloaded, sorted and stored only in the areas indicated on the plan attached to this licence.

44. The skip used for the storage of waste shall be covered to ensure waste does not escape. The contents of the skip shall be removed when necessary of if requested by the Waste Regulation Authority.

45. Provision shall be made to deal with any unacceptable waste delivered to or left at the facility. Such waste shall be removed from the facility as soon as practicable or within such a time as maybe agreed with the Waste Regulations Authority and taken to a suitable alternative site for disposal. The Waste Regulation Authority shall be informed forthwith of any such occasion.

46. Measures shall be taken in accordance with the Working Plan to ensure that oil, grease or any other material is not deposited on any roadway by vehicles leaving the facility. These measures shall include the steam cleaning of the yard entrance and public highway leading from the facility.

47. Waste shall be treated with deodoriser as necessary to prevent nuisance form odours.

48. Treatment chemicals and reagents shall be stored securely in accordance with the Working Plan.

49. Measures, including property maintenance and use, shall be undertaken to control the noise of machinery and vehicles operating at the facility to ensure it is not seriously detrimental to the amenities of the locality.

50. No waste material shall be burnt within the boundaries of the facility. Any fire occurring within the confines of the facility shall be treated as an emergency and immediate action shall be taken to extinguish it. All outbreaks of fire shall be reported immediately to the Waste Regulation Authority.

51. The facility shall be inspected for the presence of pests and control measures shall be taken, as detailed in the Working Plan, to deal with any pests found. Records of these inspections and any control measures undertaken, including types and quantities of pesticides used shall be kept permanently on site.

52. Standby operating, storage and disposal arrangements shall be implemented in the case of an emergency at the facility. The Waste Regulation Authority shall be immediately informed whenever these arrangements are implemented.

53. Litter shall not be allowed to accumulate at the facility. Any litter or fly tipped material which accumulates at the facility be gathered and disposed of in accordance with relevant legislation.

54. Any cessation of operations for a period of three months shall be notified to the Waste Regulation Authority. Not less than fourteen days notice shall be given to the Authority of the date on which operations are to recommence in the event of such a cessation.

55. The licence holder shall provide a list of the technically competent persons who are involved in the management of each licensed site Where for any reason the persons included in the list of the technically competent management changes, then that change shall be notified in writing to the Waste Regulation Authority with in 14 days. This notification shall include the qualifying details of new managers

TRINCO LTD

A TECHNICAL AND OPERATIONAL STATEMENT

FOR THE PROPOSED WASTE OIL RECYCLING PLANT

AT NEW QUAY ROAD, FELNEX INDUSTRIAL ESTATE

NEWPORT, GWENT

CONTENTS

1. INTRODUCTION

1.1 This statement has been prepared by Trinco Ltd as the operational working plan for the purposes of the application for the transfer of the existing waste management licence for the waste oil recycling plant at New Quay Road, Felnex Industrial Estate, Newport, Gwent, from Amatoil Ltd to Trinco Ltd.

1.2 The site is currently operated by Amatoil Ltd in accordance with the provisions of waste management licence no 037/92 which was approved by Newport Borough Council on 1 April 1992.

1.3 The location of the plant is described together with the current site layout, the location and construction of the storage and treatment facilities.

1.4 The waste reception and control procedures are described together with the operations which will take place at the facility.

2. LOCATION AND DESCRIPTION OF THE FACILITY

2.1 The plant is located at National Grid Reference ST 323857 and lies approximately 1½km south east of the centre of Newport and is shown edged red on the attached Figure 1.

2.2 Access to the facility is via New Quay Road on the Felnex Industrial Estate which is directly off the B4237, Stephenson Street which links with the A455 Corporation Road which leads directly to the M4 and the A449 at Junction 24 of the motorway.

2.3 The site comprises a triangular shaped parcel of land with an area of 0.68 acres. It is bounded on the north and east by adjacent industrial site plots whilst the River Usk to the west and south west form the boundary on the hypotenuse of the triangle.

2.4 The perimeter of the facility is delineated by a cranked concrete post chain link fence topped with three strands of barbed wire.

2.5 A portakabin type single storey building housing a gatehouse, offices and laboratory is located immediately adjacent to the main entrance at the north eastern corner of the site as shown in Figure 2. A steel framed, plastic coated steel clad building is located in the north west corner of the site - this forms the plant maintenance building. Adjacent to it is a fully lockable ISO storage container which is used for the storage of reagents.

2.6 The waste oil storage and processing plant are situated along the western boundary of the site with the boiler house at the southern end and the waste oil storage at the northern end of the processing unit, as shown on Figure 2.

2.7 The recovered oil storage tanks are situated on the left hand side of the main entrance to the plant.

2.8 All of the storage and processing tanks are contained with bunded walls, with approximately 20% of the area of the site being concreted and 60% of the remainder being compacted earth covered with Llanwern slag.

2.9 A vehicle parking area is located on the slag covered compacted ground behind the offices on the northern boundary of the site. The southern part of the facility is currently undeveloped and predominantly comprises compacted ground. No waste unloading, loading or treatment will take place in this part of the facility.

3. GENERAL ASPECTS OF THE OPERATION OF THE FACILITY

3.1 An identification board will be displayed at the main entrance to the facility, similar to the existing Amatoil Ltd sign board, which will detail the name of the facility, the operating hours, the name and address and telephone number of the operator and the Waste Regulatory Authority including the telephone numbers of personnel who should be contacted in the event of an emergency.

3.2 The hours during which materials will be received or removed from the facility will be between 08.00 - 17.00 Monday - Friday and 08.00 - 13.00 on Saturdays. Gates are provided at the entrance to the facility and will be locked when the facility is not in operation.

3.3 All persons entering the plant will be required to comply with the Company's rules, the Health and Safety at Work Act 1974, the Waste Management Licence conditions, the Operational Working Plan and the Operational Instructions which will be held and displayed in a prominent position in the Site Control Office within the Site Offices and all personnel will be made aware of their contents.

3.4 The plant will be managed by a Plant Manager who will be conversant with the conditions of the Waste Management Licence, relevant legislation and the operations of the facility. The Plant Manager will be assisted by appropriate personnel and the facility will be adequately manned at all times when it is operational.

3.5 Additional qualified and trained staff can be obtained from elsewhere within the SARP [UK] Ltd Group organisation, of which Trinco Ltd is a member, to cover for illness, holidays or for other purposes as necessary. Regular training will be provided to facilitate the proper and effective functioning of all personnel.

3.6 The plant will be kept tidy under the supervision of the Plant Manager. All vehicles leaving the plant will be visually checked to ensure that no materials will be carried on to the public highway on the wheels of vehicles and that no leaks are occurring.

3.7 The oil storage and process areas are lit by double or single floodlights during the hours of darkness to facilitate the safe and controlled operation of the facility including waste reception, sampling, offloading and treatment. These floodlights are indicated DFL or FL on Figure 2.

3.8 All hose connections to tank pipework will take place within the bunded areas so that any spillages will be contained within the bunds.

3.9 All storage tanks will have a record showing their nominal capacities, the volumes of loads received and removed so that the available storage capacity can be readily determined. These records will be kept in the site control office and will be available to appropriate personnel so that they are able to refer to them to determine plant and storage capacity.

3.10 All tanks on site will be numbered and colour coded for ease of identification by site personnel.

3.11 The bunds will be checked regularly for the presence of leaks. Should any leaks occur or cracks or other weaknesses which may lead to leakages from the bunded areas be identified, these will be sealed.

3.12 Water and any oil will be periodically removed from the bunded areas by vacuum tanker as the bund areas will not contain any external drains or valves.

4. WASTE RECEPTION

4.1 Drivers of all vehicles arriving at the site will report to the Site Control Office, which is located at the entrance to the works. Here, the documentation relating to each load will be checked prior to the vehicle being accepted on site.

4.2 Once the vehicle's documentation has been found to be in order it will be directed to the parking area between the offices and the storage tanks where one or more samples will be taken from bulk loads whilst for waste in drums a single sample will be taken from each drum to confirm that the waste is permitted on site by the Waste Management Licence and that it is suitable for treatment at the plant.

4.3 With loads comprising waste in drums, following receipt of paperwork the load will be directed to the drum reception area shown on Figure 2. Drums will be unloaded by a fork lift truck which will be kept at the facility for this purpose. The drums will be off loaded and allocated a unique reference number which will be written on each drum as it is unloaded. The unique reference number and the date of receipt will be recorded. The contents of each drum will be inspected, sampled and analysed as soon as practicable following off loading and referencing and within 48 hours of receipt. Subject to the suitability of the wastes int he drums for treatment at the facility they will be transferred for bulk storage or treatment.

4.4 The routine sampling of the wastes will be carried out by an appropriately trained person who will be supervised by a degree qualified chemist.

4.5 The sampling and analysis of new waste streams, one-off waste deliveries and loads which on routine analysis do not confirm with the waste description and/or prior analysis will be undertaken by the chemist.

4.6 The physical characteristics of the waste will be assessed based on a comparison with a reference sample and the specific gravity will be compared with the known range for a particular waste stream.

4.7 Wherever possible waste deliveries to the plant will be by prior arrangement to confirm that sufficient appropriate storage capacity is available, that the incoming material may be accepted at the plant and to facilitate the provision of any special sampling, analytical or reception arrangements.

4.8 Any waste delivered to the plant which does not comply with the Waste Management Licence or which may be unacceptable in respect of its treatability will be quarantined until it can be either returned to the producer or re-directed for appropriate treatment/disposal elsewhere. In respect of special wastes the consent of Newport Borough Council will be obtained prior to the movement off site. all such occurrences will be recorded in a record book kept in the Site Control Office specifically for this purpose.

5. WASTE STORAGE AND TREATMENT FACILITIES

5.1 Waste Oil water mixtures and soluble oils will be stored in the storage tanks located in the Tank Farm marked A on the Figure 2 which comprise a series of vertically mounted storage tanks.

5.2 Recovered base oils will be stored in one of the four vertical tanks or the horizontal tank in the Tank Farm marked B on Figure 2 which is located on the south side of the entrance gateway.

5.3 Any polyelectrolytes or other reagents required in connection with the treatment processes will be stored in the lockable steel security storage container located adjacent to the maintenance building.

5.4 Seven horizontally mounted process tanks are contained within a bunded storage area to the south of the waste oil storage tanks on the western boundary of the plant and are marked Tank Farm P on Figure 2.

5.5 Beyond these tanks lies the boiler house which supplies steam to the process tanks and beyond this building a tanker washer bay.

5.6 The tanker washer bay is used for cleaning silt and solids from the bottom of the delivery vehicles.

5.7 These sediments will be allowed to settle and the supernatant liquid will be pumped off the surface, using either a mobile pump or a vacuum tanker, into a storage tanker, into a storage tank or into a process tank for treatment.

5.8 The settled solids will be removed manually or by a mechanical shovel into a skip prior to disposal to a landfill site.

5.9 During their storage in the vertical waste oil storage tanks the initial phase separation takes place.

5.10 The oil phase is then transferred to one or other of the process tanks where a demulsifier is added together with heat from steam coils to lower the water content.

5.11 After a period of time which varies according to the viscosity of the oil and the percentage of water, the oil water content of the mixture is checked. When the water content is satisfactory the oil is removed and if necessary, treated by filtration or centrifuging to lower the water and solids content further.

5.12 The recycled oil is then pumped to a finished product tank near the gateway.

5.13 The aqueous phases are then removed from the process tank to the storage tank for testing and possible treatment prior to discharge through the interceptor to the public sewerage system, in accordance with the Consent to Discharge issued by the Welsh Water Authority.

5.14 Soluble oils which have become contaminated with an excess of water or particulate matter will be treated at the plant. Soluble oils exists as an emulsion which is a mixture of water and finely dispersed oil droplets. The emulsion is treated in the Oil Recovery Treatment Plant in a batch process. Used acid is added to the emulsion which breaks down to form a clear liquid phase and a sludge. Following the acid treatment any free oil is weired off to the recovered base oil storage tank and the broken emulsion is transferred to a neutralisation tank in the waste oil storage area where flocculant is added to facilitate the agglomeration of solid particles and alkali is added to neutralise the liquid phase. The neutral liquid is then analysed to confirm that it complies with the discharge consent prior to discharge to the interceptor and the foul water sewer. The sludge is skimmed off into a skip and is sent to a landfill.

5.15 The recovered oils may be blended, according to the purchasers requirements, prior to loading into tankers for re-sale. A record is kept of the quantity and destination of all processed oils sent off site.

6. SAFETY AND EMERGENCY PROCEDURES

6.1 The potential for direct tissue contact with wastes at the facility will arise from accidental spillages as wastes are discharged from drums or tankers. Personnel responsible for these operations will be thoroughly trained in safe handling techniques and will wear suitable clothing. Failure to wear safety clothing as directed will be a disciplinary matter and may lead to dismissal.

6.2 Access to the top of the uncovered tanks will be restricted to authorised personnel only, by the provision of lockable gates or barriers on the access ladders.

6.3 Unauthorised access to the site will be restricted by the 1.8m high chain link fence which surrounds the facility. Signs discouraging access will be displayed. When the site is unmanned all gates and other lockable barriers will be locked. Intruder alarms connected to a central emergency control room will be fitted in the main administration building, the garage/vehicle workshop and the boiler house.

6.4 Most of the materials which will be handled at the facility will be liquids or sludges and therefore will not generate dust. The only dry material which will be used at the site is lime. Any accidental spillage of lime will be cleared immediately thus it is considered that there will be no adverse environmental effects from the generation of dust.

6.5 In order to minimise the possibility of a fire on site stringent precautions will be implemented and emergency procedures will be agreed with the Gwent Fire Authority. With the exception of the oils all materials stored on site are non flammable and non combustible thus they will not burn even if ignited. There are no potential ignition sources close to the oil storage tanks. All the oil storage tanks are enclosed and the oil is thus protected from accidental or malicious introduction of ignition sources. The most likely area in which a fire may start is the office and laboratory building. The building will be fitted with fire alarms and fire control equipment. The building is 16m from the nearest storage tank. The only pressurised gases which are stored on site are those associated with the laboratory. Any fire at the facility will be treated as an emergency and measures will be taken to extinguish or control the fire, the emergency services will be informed and assistance will be summoned as necessary. Newport Borough Council will be informed directly if a fire occurs at the facility and the National Rivers Authority will be informed as necessary.

6.6 In the event of a significant spillage from a tank at the facility the operator in charge will ensure that the spillage is contained within the bund and if necessary will evacuate the immediate vicinity. The operative will immediately inform the Plant Manager and or the site Chemist and the gates to the facility will be closed to prevent further vehicular access as necessary. The spilled material will be pumped to a designated vessel. Newport Borough Council and the National Rivers Authority will be informed forthwith of the spillage.

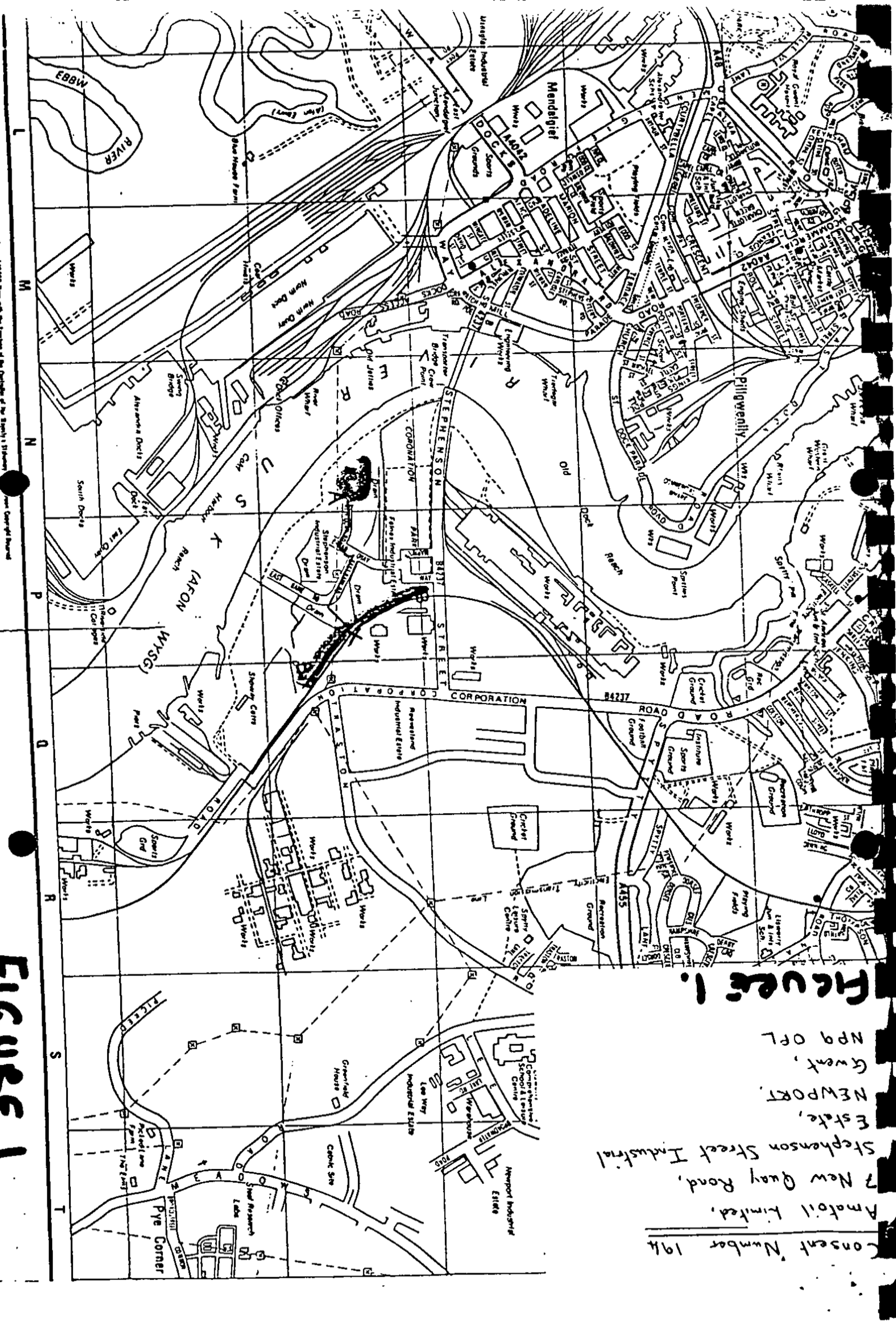
6.7 In the event of a spillage from a vehicle the operative will ensure that the vehicle remains stationary with the engine switched off and that the immediate vicinity including the driver is evacuated. So far as is possible the operative will take steps to close any valves to prevent further spillage and to contain the spillage by spreading sand or other appropriate oil absorbent material to absorb the spilled material or by placing sand to create a bund to contain the spillage and will inform the Plant Manager and or the Chemist. If the spillage is contained the material will if possible be pumped to a designated vessel. If the spillage was not contained the material will drain to the interceptor in which case the appropriate action will be taken dependent on the nature of the material spilled and the quantity. It may be necessary to empty the interceptor by vacuum tanker. The National Rivers Authority and Newport Borough Council will be informed forthwith of the spillage.

6.8 All personnel will be aware of the locations of emergency stop buttons at the facility which will isolate all operational equipment.

6.9 A minimum of two personnel will attend any potentially hazardous activity.

6.10 The facility will be inspected daily by site personnel. Routine maintenance at the facility will be undertaken by maintenance operatives during the weekend. Breakdown or emergency maintenance at the facility will, so far as it is practicable, be carried out immediately by maintenance operatives.

6.11 In the event of a power failure site operations will cease and it is considered that there is no risk of a hazard arising within the treatment processes. Emergency lighting at strategic locations will be used and the gates will be locked to prevent vehicle access. In such an event tankers, except those discharging by gravity feed, which are discharging into designated storage tanks will not be emptied. The valve at the plant end of the delivery pipe will be closed, the contents in the pipe will be drawn back into the tanker and the operation will close down until power is restored.



Consent Number 194
Amotoil Limited,
7 New Quay Road,
Stephenson Street Industrial
Estate,
NEWPORT,
Gwent,
NP9 0FL

FIGURE 1.