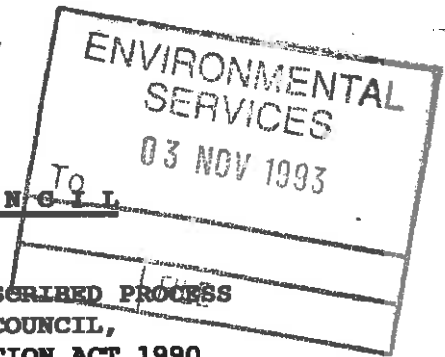


Public Register copy



I P S W I C H   B O R O U G H   C O U N C I L

**APPLICATION FOR AUTHORISATION TO CARRY OUT PRESCRIBED PROCESS  
WITHIN THE CONTROL OF IPSWICH BOROUGH COUNCIL,  
UNDER SECTION 6 OF THE ENVIRONMENTAL PROTECTION ACT 1990  
(LOCAL AUTHORITY AIR POLLUTION CONTROL)**

YOU SHOULD READ THE ENCLOSED EXPLANATORY NOTES BEFORE COMPLETING THIS FORM

SECTION 1      Details of Operator and Location of Process

(a)    Name, address and telephone number of the applicant:-

.....  
IPSWICH PORT AUTHORITY, HARBOUR MASTERS OFFICE,  
.....  
NEW CUT EAST, IPSWICH IP3 0EA  
.....  
TELEPHONE, 0473 231010. ....

(b)    Address of registered or principal office, if the applicant is a  
body corporate:-

.....  
OLD CUSTOM HOUSE, KEY STREET, IPSWICH IP4 1BY.  
.....  
.....

(c)    Address for correspondence, if different from that in (a) above:-

.....  
AS ABOVE.  
.....  
.....

(d)    Address of the premises where the process will be carried out:-

.....  
WITHIN IPSWICH PORT LIMITS AT NOMINATED BERTHS.  
.....  
.....

(e)    Details of maps and plans attached:-

.....  
GENERAL PLAN OF PORT.  
.....  
LARGE SCALE PLANS OF PORT AREAS.  
.....  
PROPOSED DISCHARGE AND LOAD AREAS COLOURED GREEN.  
.....  
OUTLINE SKETCH OF HOPPERS.  
.....  
.....

## SECTION 2

### Description of Process and of the Proposed Techniques to Prevent or Minimise Emissions to Air of Prescribed Substances and to Render Harmless Emissions to Air of all Substances

This should include a description (with drawings, where appropriate) of physical characteristics of the process, height and location of stacks or vents and abatement technology. Also, details should be given of how the process is to be operated. (See separate explanatory notes for more detail).

ANTICIPATED TONNAGE: 150,000 TONNES PER ANNUM.

PROCESS: LOADING AND UNLOADING OF COAL AND COAL PRODUCTS FROM AND TO VESSEL.

UNLOADING METHOD: BY CRANE GRAB DISCHARGE FROM VESSEL DIRECTLY INTO VEHICLE VIA HOPPER.

EMISSION PREVENTION: CRANES,GRABS AND HOPPERS ARE REGULARLY MAINTAINED TO PREVENT SPILLAGE.

HOPPERS FITTED WITH INTERNAL AND EXTERNAL CURTAINS. AND ALTERNATIVE FLOW REDUCERS IN HOPPERS.

LOADING METHOD: BY CRANE GRAB FROM QUAY INTO VESSEL.

EMISSION PREVENTION: CONTROLLED FLOW FROM VEHICLE TO QUAY.  
DROP HEIGHT FROM GRAB KEPT TO MINIMUM IN VESSEL.

OPERATIONAL CONTROL: ENTIRE OPERATIONS CARRIED OUT UNDER SUPERVISION AND BY TRAINED EXPERIENCED PERSONNEL.

SWEEPING PERSONNEL ARE ATTENDANT THROUGHOUT THE OPERATION TO MAINTAIN SITE CLEANLINESS.

QUALIFIED PERSONNEL ARE AVAILABLE FOR PLANT BREAKDOWNS AND ADJUSTMENTS.

POTENTIAL EMISSIONS ARE CONFINED TO, AND CONTAINED WITHIN, THE IMMEDIATE AREA OF OPERATION (SHIPS-SIDE AND BERTH) AND ARE SUBJECT TO THE PORT'S ENVIRONMENTAL POLICY.

ADDITIONAL NOTE: IPSWICH PORT AUTHORITY OPERATES WITHIN AN ENVIRONMENTAL MANAGEMENT SYSTEM AND IS CURRENTLY WORKING TOWARDS ACCREDITATION OF BRITISH STANDARD 7750 WHICH INCLUDES INSPECTION AND TEST PLANS AND BATNEEC PRINCIPLES.

(Continue on a separate sheet if necessary)

### SECTION 3

#### Details of the Source, Nature and Amount of Current and/or Anticipated Air Emissions from the Process

(Include non-prescribed substances, as well as prescribed substances)

PAST, CURRENT AND FUTURE ANTICIPATED EMISSIONS ARE EXPECTED TO BE INSIGNIFICANT TO SLIGHT.

EMISSIONS ARE CONFINED TO, AND CONTAINED WITHIN, THE IMMEDIATE OPERATIONAL AREA BY MEANS OF GRAB OPENING INTO HOPPERS.

THE HOPPERS ARE FITTED WITH A DOUBLE CURTAIN SYSTEM, THE FIRST CURTAIN BEING BELOW THE HOPPER OUTLET SUCH THAT IN USE IT SITS WITHIN THE VEHICLE BEING LOADED. THE SECOND SET TOTALLY ENCLOSES THE HOPPER SIDES EXCEPT FOR VEHICLE ENTRY AND EXITS.

THESE CURTAINS ARE CAPABLE OF ADJUSTMENT AS REQUIRED.

CONSTANT TRAINED SUPERVISION THROUGHOUT THE OPERATION ENSURES:-

- \* AVOIDANCE OF SPILLAGE
- \* HIGH STANDARDS OF SITE MAINTENANCE ARE MAINTAINED.
- \* DROP HEIGHTS ARE MINIMISED.
- \* ALTERNATIVE CHUTE INSERTS ARE AVAILABLE.
- \* SURROUNDING AREAS AND ROADWAYS ARE KEPT CLEAN.
- \* PROMPT REACTION TO MALFUNCTIONS OR BREAKDOWNS.
- \* THE SITE AND PLANT IS CLEANED AFTER USE.

(Continue on a separate sheet if necessary)

#### SECTION 4

##### Details/Proposals for Monitoring, Sampling and Measurement of Air Emissions

Applicants should propose the type and frequency of monitoring they expect to carry out, in order to meet the requirements of the EPA.

MONITORING, MEASURING AND RECORDING OF EMISSIONS IS DONE ON SITE BY THE STEVEDORE FOREMAN IN CHARGE OF THE OPERATION AND IS ENTERED ON THE DAILY ENVIRONMENTAL ASSESSMENT FORM.

THIS FORM IS BASED ON VISUAL MONITORING ON A SCALE OF 1 TO 5 AS FOLLOWS:-

1 VERY HEAVY.          2 HEAVY.          3 MODERATE.          4 SLIGHT.          5 NIL.

PRIOR TO, AND DURING OPERATIONS, DUE REGARD IS GIVEN TO PREVAILING AND FORCASTED CONDITIONS SUCH AS WIND WEATHER AND TIDE AND PLANT MOVED ACCORDINGLY TO PREVENT WIND FALL AND SPILLS.

THROUGHOUT THE OPERATION SWEEPING PERSONNEL ARE IN ATTENDANCE TO CONTAIN ANY SUCH SPILLS.

THE BODY OF THE FORM INCLUDES:-

- \*      VISIBLE DUST LEVELS
- \*      WEATHER CONDITIONS.
- \*      VESSEL AND BERTH IDENTIFICATION.
- \*      DATE AND HOURS WORKED.
- \*      NAME OF PERSON IN CHARGE.

(Continue on a separate sheet if necessary)

## SECTION 5

### Assessment of the Likely Environmental Consequences of any Emissions to Air

Applicants should aim to show that their process achieves BATNEEC. The assessment should be limited to considering the effects of air emissions on the environment. (See separate explanatory notes for more detail)

THE PROCESS DOES, TO ALL INTENTS AND PURPOSES, FOLLOW THAT PART OF THE SECRETARY OF STATES GUIDANCE - COAL, COKE AND COAL PRODUCT PROCESSES, AS IT PERTAINS TO LOADING AND DISCHARGE AT QUAYS.

THE BATNEEC PRINCIPLE HAS APPLIED FROM THE START OF OPERATIONS AND THE INTRODUCTION OF WELL MAINTAINED AND MOBILE HOPPERS WAS A MAJOR CONTRIBUTION TO DUST PREVENTION. INSPECTION AND TEST OF THE HOPPERS IS A CONTINUOUS PROCESS WHICH HAS INCLUDED TESTS OF VARIOUS TYPES OF CURTAINS THAT CONTAIN, AND FACILITATE THE CLEANING OF, ANY DUST OR SPILLAGE.

TO ENSURE THE CONTINUING INTEGRITY OF GRAB SEALS, GRABS ARE CHECKED FOR LEAKS AT WEEKLY INTERVALS AND RESEALED AS NECESSARY. THIS IS IN ADDITION TO NORMAL MAINTENANCE TO WHICH THEY ARE SUBJECT.

ANY DUST OR WIND BLOWN SPILLAGE, DESPITE BEING CONTAINED IN THE IMMEDIATE AREA, IS SWEEPED AND GRABBED INTO THE HOPPERS BY ATTENDANT SWEEPERS. ON COMPLETION OF INDIVIDUAL OPERATIONS ANY SMALL AMOUNTS OF WASTE IS COLLECTED AND DISPOSED OF INTO SKIPS FOR ULTIMATE DISPOSAL BY LICENCED WASTE DISPOSAL CONTRACTORS. THE OPERATING AREA IS THEN LEFT IN A CLEAN CONDITION.

THE OPERATION ITSELF IS PERFORMED AT BERTHS THAT ARE ISOLATED FROM THE TOWN CENTRE AND RESIDENTIAL AREAS AND IS INCLUDED WITHIN THE NORMAL OPERATIONS OF THE PORT. NO COMPLAINTS OF ANY NATURE HAVE BEEN RECEIVED BY THE PORT AUTHORITY WITH REGARD TO THIS PROCESS.

(Continue on a separate sheet if necessary)

Name of Newspaper in which it is proposed to advertise the application:-  
EAST ANGLIAN DAILY TIMES

Fee enclosed:- (cheques made payable to Ipswich Borough Council)  
935.00  
£ .....

ENVIRONMENTAL MANAGER  
1 NOVEMBER 1993

I hereby certify that all the information contained in this application is,  
to the best of my knowledge, correct.

SIGNATURE:



NAME IN BLOCK CAPITALS:

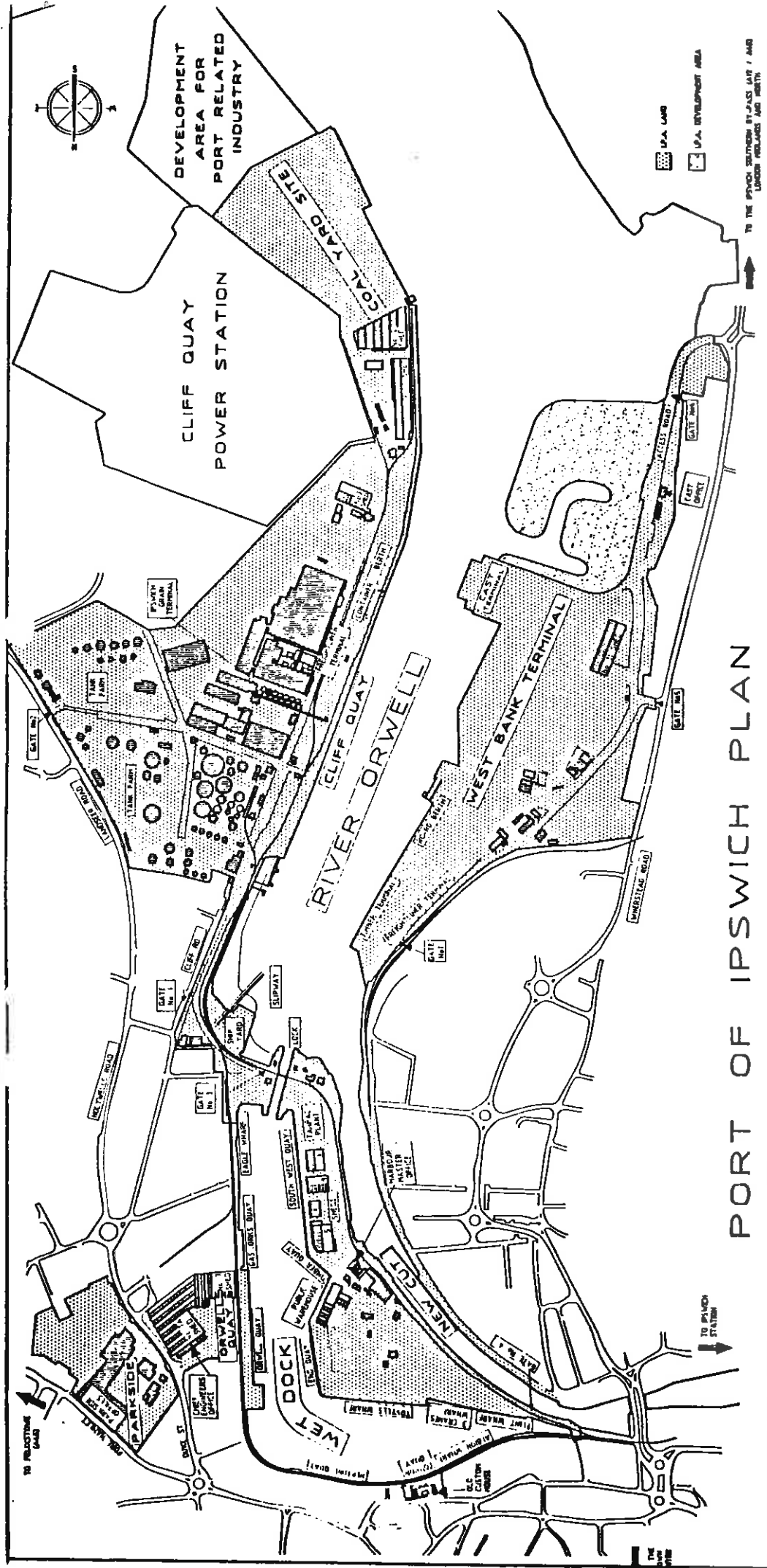
FRANK BRAMHILL

CAPACITY IN WHICH SIGNING:

ENVIRONMENTAL MANAGER

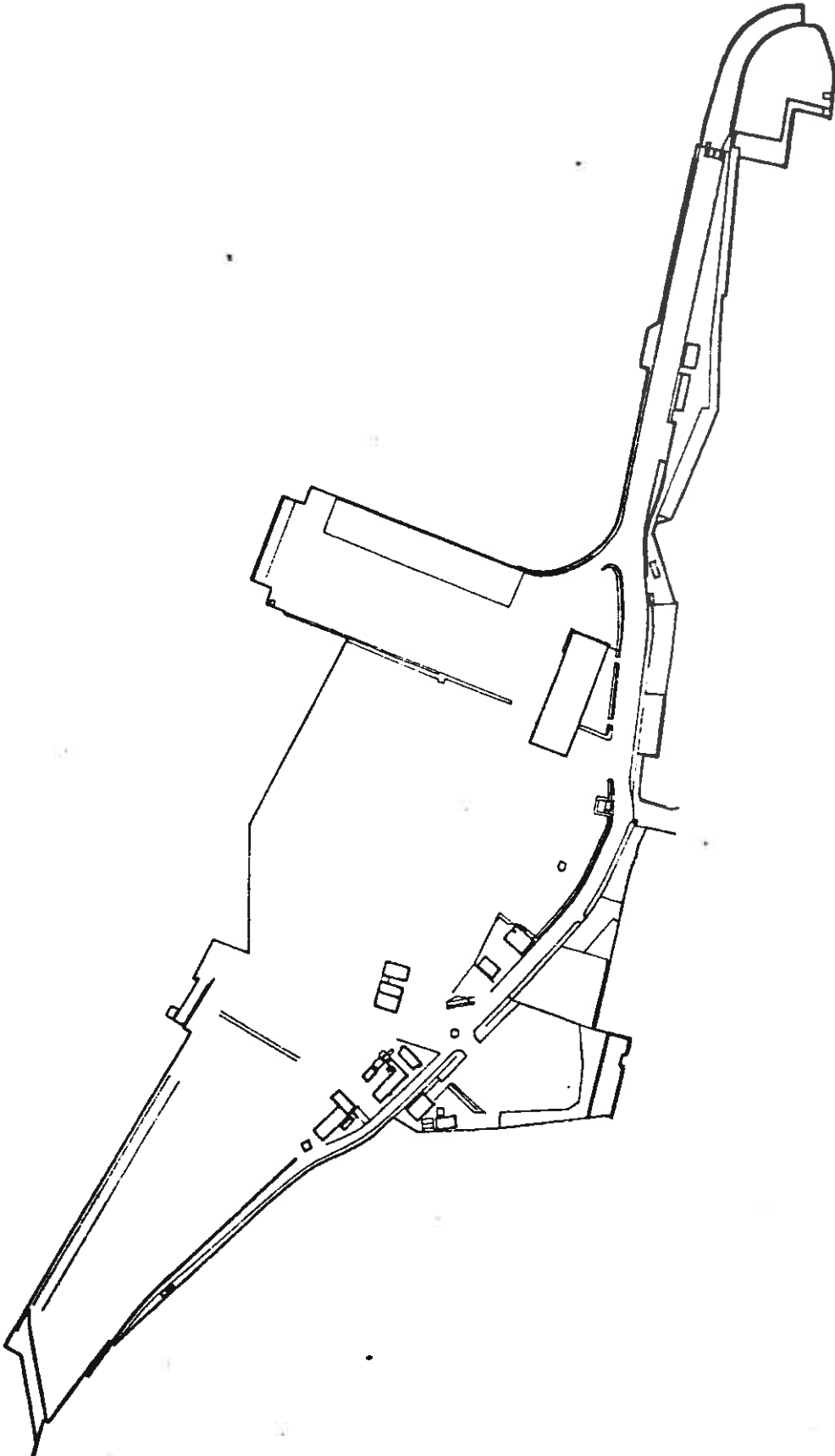
DATE:

1ST, NOVEMBER, 1993



# PORT OF IPSWICH PLAN

Agents of possible coal product discharge/loading

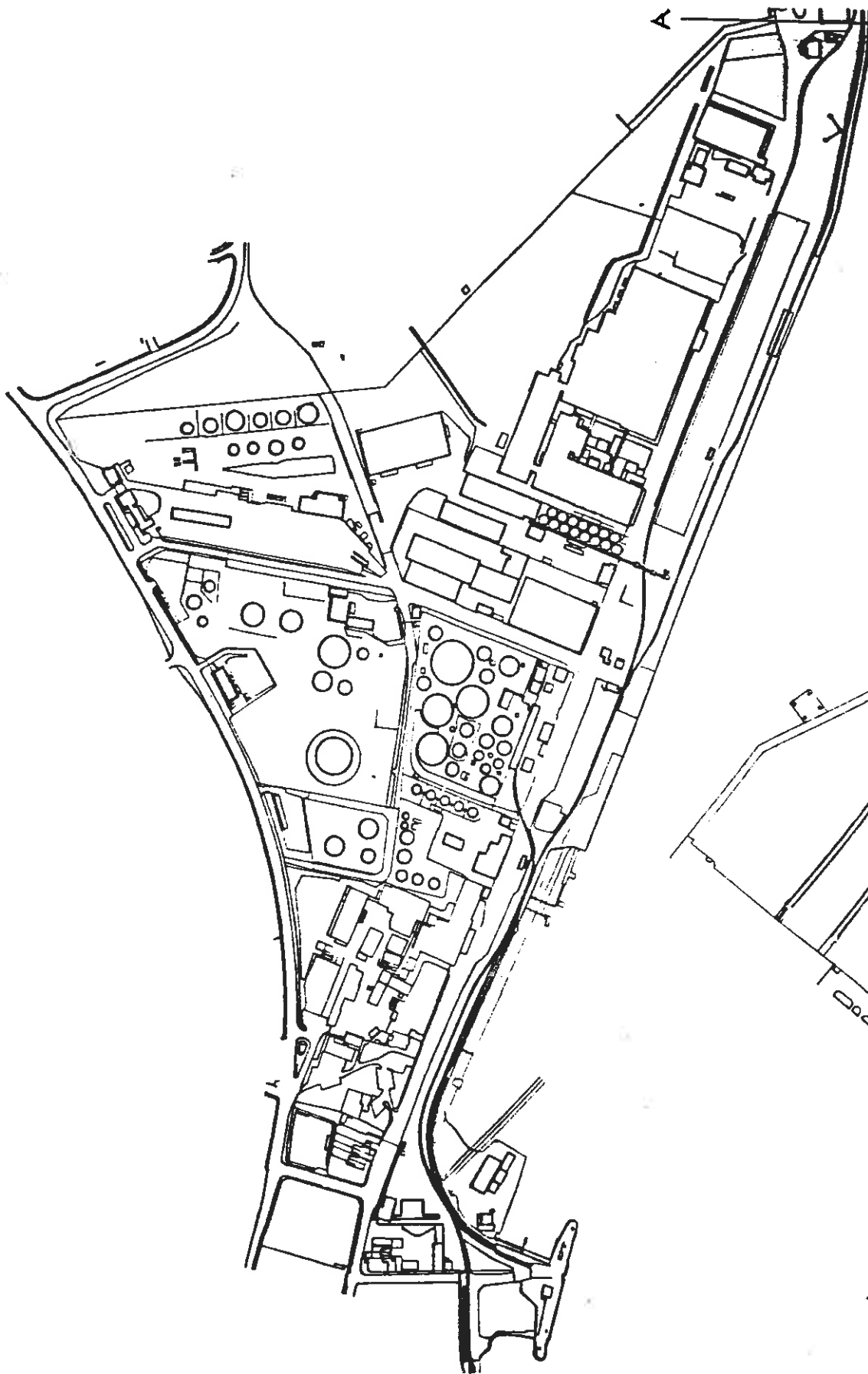


WEST BANK TERMINAL

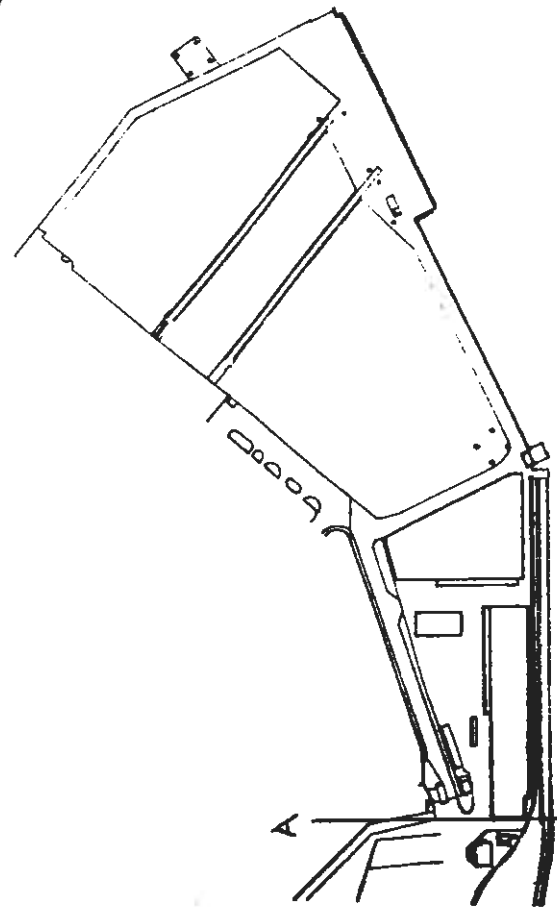
|                |             |
|----------------|-------------|
| NAME           | WEST BANK   |
| NO.            | 1           |
| DATE           | 10/1/50     |
| DESIGNED BY    | W. B. BAKER |
| APPROVED BY    | W. B. BAKER |
| CONSTRUCTION   | W. B. BAKER |
| OPERATION      | W. B. BAKER |
| MAINTENANCE    | W. B. BAKER |
| REPAIRS        | W. B. BAKER |
| RENOVATIONS    | W. B. BAKER |
| DEMOLITION     | W. B. BAKER |
| RECONSTRUCTION | W. B. BAKER |
| REPAIRS        | W. B. BAKER |
| RENOVATIONS    | W. B. BAKER |
| DEMOLITION     | W. B. BAKER |
| RECONSTRUCTION | W. B. BAKER |

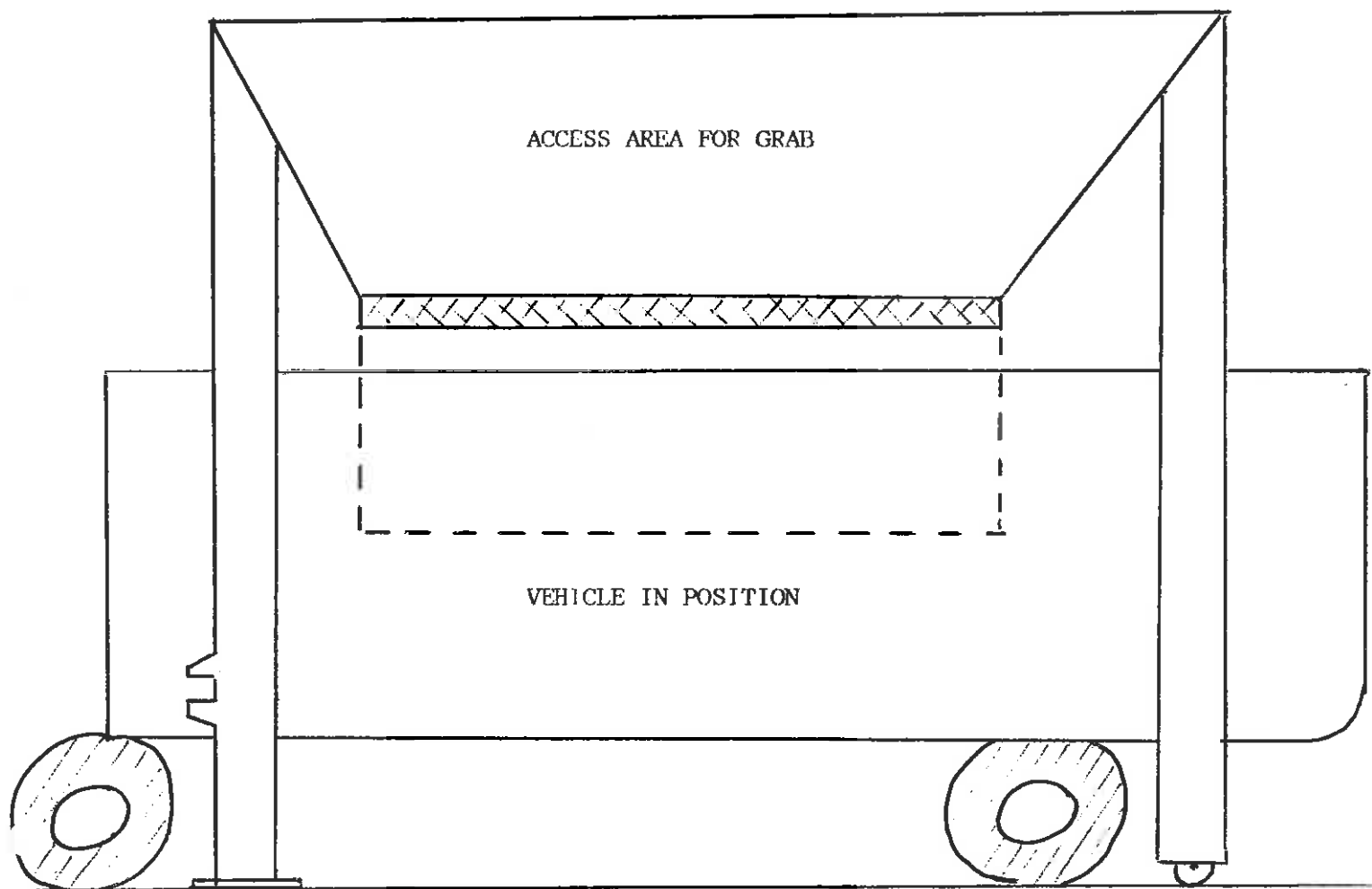






CLIFF QUARRY & POWER STATION.





OUTLINE SKETCH OF HOPPER SHOWING SIDE ELEVATION

BOTH SIDES ARE CURTAINED (Facing & Rear)

PECKED LINE INDICATES INTERNAL CURTAIN INTO VEHICLE.

HOPPER IS MOBILE AND IS MOVED BY FORK LIFT TRUCK.

HATCHED AREA FOR REDUCTION INSERT IF REQUIRED