24

NATIONAL COAL BOARD

WEST MIDLANDS DIVISION

NO. 1 (NORTH STAFFS) AREA

CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - SOUTH LATERAL AND CROSS-CUT TO MOSS SEAM

APPLICATION FOR DIVISIONAL SANCTION .

AREA PLANNING BRANCH,
GLEBE HOUSE,
FENTON,
STOKE-ON-TRENT,
STAFFS.

CW | S | 95 MAY, 1961.

24

MEMORANDUM

FROM: Area Planning Branch, Glebe House, Fenton.

Our Ref. AL/BD.

TO:

See Distribution List.

Your Ref.

Subject:

Chatterley Whitfield Colliery
8690 Horizon-South Lateral & Cross Cut

Date: 2nd June, 1961.

to Moss Seam.

Please find enclosed one copy of the Application for Divisional Sanction.

No.1 Group Planning Engineer.

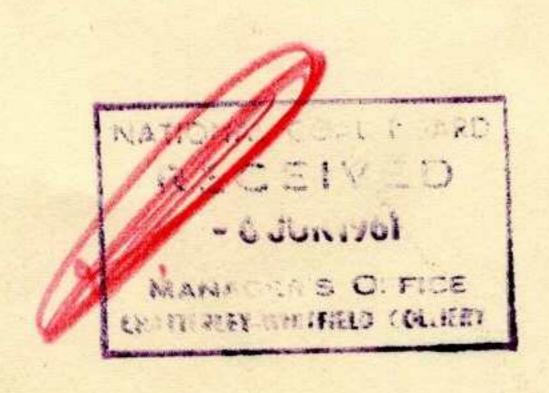
Distribution List.

Messrs. W.T. Archer, P.Smallman, G.A. Haslett, W.Mold, W.Hibbert,

A. Brockley.

Area: Messrs. G.E. Hewitt, R. Humphreys, R. Chadwick, R. I. Rix.

h wint



MEMORANDUM

From: Area Planning Branch, Glebe House Fenton.

Our Ref. AL/BD.

To: See Distribution List.

Your Ref.

Subject. Chatterley Whitfield Colliery

Proposed 8690' Horizon South Lateral and Cross Cut-Divisional Application. Date: 23rd June, 1961

Following a meeting held this week at the Area Planning Branch, with Mr.A.L.Middleton, certain minor modifications have been made to the Divisional Application.

Please find enclosed a copy of the revised Application write-up. OH. but see memo

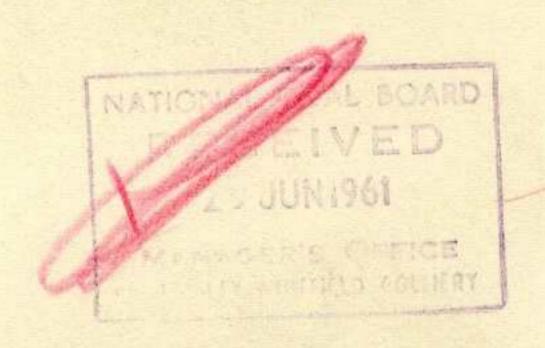
from DAPM(Planing).

Alitering

No.1 Group Planning Engineer.

Distribution List:

Messrs. G.E. Hewitt, J. H. Masters, W.T. Archer, P. Smallman, G.A. Haslett, W. Mold, W. Hibbert, A. Brockley, R.I. Rix, R. Humphreys, R. Chadwick.



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AMA

Deputy Area Production Manager (Planning) N.Staffa.

A.L. Middleton, Esq., Deputy Production Director
(Planning)

Chatterley-Shitfield Colliery -Scheme for development of 8690 Horizon South Lateral and Cross Cut. 26th June, 1961.

has a result of the discussion in Glebe House on 22nd June, we now enclose six copies of the revised text of the above expenditure application. Please arrange for those now in your possessoon to be destroyed.

(R.W.Scurfield)

Copy - Mesara. H.J. Widdowson, W. Wilcox, W.T. Archer and P. Smallman. COPY.

MEMORANDUM

From: Assistant Secretary

A 17 b 101

To:

Area General Manager, North Staffordshire.

21st August, 1961.

Subject:

Chatterley-Whitfield Colliery. 8690' Horizon

South Lateral and Cross Cut. Further development.

The Board have approved for submission to Headquarters' Finance Committee for approval in principle, this application for expenditure of £144,769 on the drivage of the 8690' horizon at Chatterley colliery on the Hesketh crut to contact with the Moss Seam.

P.W. Glover

Copies circulated by Area General Manager to:

Area Production Manager
Deputy Area Production Manager (Planning) 10
Area Chief Accountant (3)
Area Purchasing & Stores Manager
Area Chief Engineer
Area Electrical Engineer
Area Mechanical Engineer
No. 1 Group Manager
Agent/Manager, Chatterley-Whitfield Colliery



MATIONAL COAL BOARD

West-Midlands Division

No.1 (North Staffs.) Area

CHATTERLEY-WHITFIELD COLLIERY:

Development of the 8690' Horizon South Lateral and Cross Cut.

1: INTRODUCTION

This application seeks authority to drive the 8690' Horizon south lateral and cross cut (Hesketh Pit Bottom level), at an estimated cost of £144,769 (Capital).

At the same time permission is sought to suspend further drivage of the 8300' South Cross Cut when it has intersected the Bellringer Seam. The remaining 800 yards of drivage is phased to be driven in approximately three years time.

The 8300' drivage was authorised by the Divisional Board and Headquarters Finance Committee as an interim Stage III, the amount authorised being £269,956 Special Revenue. Under the new Capital/Revenue Code, expenditure since 1st January, 1961 has been charged to Capital.

The expenditure now applied for will also be Capital under the new Code.

2: LOCATION OF COLLIERY

Chatterley-Whitfield Colliery lies in the northern part of the North Staffordshire Area and is situated adjacent to the Biddulph Valley Branch Line of British Railways and to the road from Tunstall to Congleton and Manchester.

3: OBJECTIVES OF SCHEME

The completion of the work which is the subject of this application will provide a top horizon at 8690' into the south-western area of the Chatterley-Whitfield take (acting for the Moss to Ten Feet seams, inclusive), into which area a lateral and cross-cut at the 8300' horizon is being driven for production purposes. This top horizon at 8690' will serve as a return airway and for the transport of stowing dirt. The majority of the coal in this area lies under the built-up area of Tunstall where solid stowing is essential to reduce surface subsidence damage to a minimum.

4: MAINIEWSONS FOR PROMOTING SCHEME

- a: Development of the south-western area in the Moss seam has not been carried out as rapidly as had been expected due to manpower shortage:
- b: At the same time, progress of the drivage for the 8300' south lateral and cross-cut has been somewhat better than expected, and it is now abvious there is time to establish both the production horizon at 8300' and the ventilation and stowing dirt transport horizon at 8690' in the south-western area prior to the extensive development of this area in the Moss seam.
- c: The re-timing of the Moss seam development has made it clear that it will be unwise to extend the south cross-cut at 8300' as far as the Moss contact at this stage, and it would be preferable to stop this cross-cut in the immediate future when it will have reached a point where satisfactory contact can be made by inclined connection to the existing Moss workings:
- d: Experience of roadway maintenance in the Moss seam during the past few years has shown that the original proposals to establish the Moss returns to the south-western area in the Moss seam, and to rely upon these roadways for the transport of large quantities of stowing dirt required for the working of the area, would be a serious mistake, and that the most satisfactory alternative is to establish the 8690' south lateral and cross-cut without further delay. This drivage can be completed in time to reach the No.2 South Moss panel soon after this face has passed the point of contact. (Plan No.3).

- e: The provision of a south lateral and cross-cut at 8690' was envisaged when the scheme for the development of the 8300' south lateral and cross-cut was approved in March, 1960, and it was in fact stated in the application that it would be necessary:
- f: The completion of the work should reduce heavy costs which would otherwise arise for the maintenance of seam roadways, especially those in the Moss seam.
- g: The provision of a separate return airway to the south-western area will put the Moss seam workings onto a separate ventilation split, which will be an important advantage so far as the ventilation of this gassy seam is concerned.

5: MAIN TECHNICAL FEATURES OF SCHEME

The technical proposals and estimated expenditure involved in this application are set out in Appendix IV and involve in the main:

- a: The provision of a special 3-section arch junction at the Banbury/Moss Crut at 8690' horizon:
- b: The 8690' south lateral and cross-cut to the Moss seam, comprising the driving and equipping of approximately 1250 yards of level roadway.

6: COST OF SCHEME

The total estimated cost of the scheme is £144,769, all of which under the new Capital/Revenue Code is capital. The details of the expenditure are shown in Appendix IV and the phasing is indicated in Appendix V.

It is proposed that the drivage of the 8300' South Cross Cut now being carried out be stopped when the Bellringer Seam is intersected. A rise connection from this point to the No.2 South Moss district will be required in 18 months time, followed in a further 18 months time by the extension of the 8300' South Cross Cut to the Moss Seam intersection. This work would be undertaken as normal colliery revenue development as the life of these extensions is not likely to exceed 20 years.

It is estimated that total expenditure of £170,888 will have been incurred on the drivages at the 8300' Horizon by the time the Bellringer Seam is reached, leaving £99,068 of the £269,956 authorised unspent.

7: RESERVES

Details are shown in Appendix IIa. The Colliery take is bounded to the north by the Victoria Colliery barrier; to the east there are no other collieries and the take extends to the seam outcrops (for the assessment of reserves, ordnance datum has been taken as the limit of working); to the south the boundary is comprised of barriers of Norton Colliery and the Wolstanton Concentration Scheme; and to the west the boundary is partly the Harecastle Tunnel Pillar and partly a barrier against old workings.

The basis of the calculation is to take the area in acres and multiply by the stratigraphical thickness to obtain foot acres. The figure of 1,500 tons per foot acre, less 10% allowance for small faults and losses in working etc., is used to obtain the workable tonnage.

Total workable reserves available to the colliery at 1/1/61 are:

Total available above 8690'
(10000' - 8690' A.D.)

Total available between
8690' - 8300' above A.D.

Total available between
8300'-6500' above A.D. (4000' deep)

Total available between
6500' - 6000'

4.254

114,554

All the seams included in the table of reserves have been proved at Chatterley-Whitfield Colliery, and all except the Ragman, Winpenny, Brickiln, Diamond and Silver seams have been worked in part. Seams being worked at the present time are Moss, Yard, Bellringer, Ten Feet, Bullhurst and Brights, with developments taking place in the immediate future in the Hams and Silver seams.

The scheme has been based on the life of the drivage involved being in excess of 20 years, following the completion of work which is the subject of this application.

8: PRESENT POSITION

Results in recent years at Chatterley-Whitfield were:

Year	Saleable (tons)	Overall O.M.S. (Cwt)			Re	sul	ţ		
1955	663,819			£210,863	or		4.2		
1956	666,980	26.1	P	275,848	or	8/	3.3	per	ton
1957	740,587	25.3	P	21,912	or		7.1	per	ton
1958	688,195	23.9	P	55,840	or	1/	7.5	per	ton
1959	686,528	27.0	P	172,897	or	5/	0.4	per	ton
1960	590,669	25.2	L	19,298	or	16/1/2	7.8	per	ton

The main reasons for the loss sustained in 1960 were:

- a: Faulted conditions in the Moss seam
- b: Initial trouble in the Y--- seam following the introduction of plough installation.
- c: A charge of £70,794 in respect of the revenue development of the 8300' horizon.

9: ALTERNATIVES

It is considered there is no reasonable alternative to the work proposed in this application. Without the provision of a return horizon at 8690' heavy expenditure would be required in atterning to develop, ventilate, stow and generally work the seams intersected by, and lying above, the 8300' south cross-cut. A comparison of cost is set out in section 12 below. In addition to the heavy expenditure which would otherwise be necessary, there is a danger that excessive repair work in the Moss seam roadways would affect continuity of output.

10: SUBSIDENCE

The surface covering that part of the take coloured 'blue' (plan 3) is comprised of the heavily built-up and industrial area of the town of Tunstall. It is essential that surface damage caused through subsidence should be kept at a minimum, and it is considered desirable that all seams over 3'0" in thickness to be worked under this area should be solid stowed. An expenditure application for an underground dirt preparation plant at 8690' horizon has already been sanctioned by the Divisional Board and its construction is phased to start during May, 1961, for completion by January, 1962.

11: MANPOWER

For this work it is proposed to employ outside Contractors - as for the drivage of the 8300' horizon roads.

12: PROFITABILITY

Under the provision of the revised Carital/Pevenue Code applicable from 1st January 1961, the cost of drivage on the 8300' horizon became a capital charge from that date. As a revenue charge, the average cost to the colliery was approximately 1/6d per ton. It follows that from 1961 onwards, this charge will cease, and as this present submission is also capital it will not be resumed when work on the 8300' horizon is suspended in order to commence the 8690' horizon.

All the proposed drivage in the scheme is outside the Shaft Pillar, and depreciation has been based upon a twenty year life, amounting in all to an annual charge of £7,563 or -/3.1d per ton based upon current (1960) output.

Interest on new capital investment (Appendix IX) at 6% and amortisation of capitalised interest (Appendix VII) at 5% will amount to £9,316 per annum or -/3.8d per ton on the same basis.

If an attempt were made to utilise the Moss seam roadways as a main return and for the transport of stowing dirt, it is estimated that the annual charge for repairs of these roads would be £24,000 or 9.6d per ton on an output of 600,000 tons per annum.

The net saving as a result of **carry**ing out these proposals is therefore some £7,000 a year. This foure takes no account of the advantages from continuity of output which must inevitably result from completion of this development.

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AREA PLANNING BRANCH: 22nd June, 1961:

CHATTERLEY-WHITFIELD COLLIERY

DEVELOPMENT OF THE 8690' HORIZON SOUTH LATERAL AND CROSS CUT

The accompanying application details the work necessary at an estimated cost of £144,769 (capital) for the development of a south lateral and cross-cut at 8690' horizon at Chatterley-Whitfield Colliery. The completion of the work will provide a top horizon at 8690' into the south-western area of the take (acting for the Moss to Ten Feet seams, inclusive), into which area a lateral and cross cut at the 8300' horizon is being driven for production purposes.

At the same time, permission is sought to suspend further drivage of the 8300' south cross cut when it has intersected the Bellringer seam. Of the sum of £269,956 approved by Division and Headquarters for the 8300' horizon development, it is estimated that £99,068 (representing some 800 yards of drivage) will be suspended for approximately three years.

The application sets out the reasons for promoting the work, chief among which is that the progress of the drivage for the 8300' south lateral and cross cut has been better than originally expected, and it is now obvious there is time to establish both the production horizon at 8300' and the ventilation and stowing dirt transport horizon at 8690' in the south-western area prior to the extensive development of this area in the Moss seam.

The Divisional Board's consideration of the application is now requested, with a view to approval being received for the work to be put in hand.

> (H.J.Widdowson), Area General Manager

Middonson

2nd June, 1961

72, Leek Road, STOKE/ON/TRENT.

National Coal Board
West Midlands Division
No.1 (North Staffs.) Area
Chatterley Whitfield Colliery
8690' Horizon - Proposed South
Lateral and Cross-cut to Moss Seam.

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

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V Direct Progress Schedule
VII Phasing of Expenditure
IX Total Investment

PLANS

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3.	Colliery	Take	and Contours in	n Moss Sear	n.	Scale	1:10560

AREA PLANNING BRANCH GLEBE HOUSE, FENTON. MAY. 1961.

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The net saving as a result of **carry**ing out these proposals is therefore some £7,000 a year. This foure takes no account of the advantages from continuity of output which must inevitably result from completion of this development.

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AREA PLANNING BRANCH: 22nd June, 1961:

- and the land think with the same

APPENDIX IIA to F. 631/R (1957)

SHEET 1 of 3 SHEETS.
WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS)AREA
CHATTERLEY WHITFIELD COLLIERY.

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL ESTIMATED RESERVES AS AT 1ST JANUARY 1961.

SEAMS WITH OVER 2FT OINS OF COAL.

	SEAMS WITH OVER 2FT OINS OF COAL.									CHATTERIET WHITFIELD COLLIERI.
	Name of Seam.	Average Thicknes of Coal	Area A. Workable Tonnage	Area B. Workable Tonnage	Total Area Workable Tonnage	Ash (Air Dried)	Sulphur (Air Dried)	Volatile Matter (d.m.m.f.)	Coal Survey Code No.	Remarks.
	a). Above Existing 8690' Horizon (10,000' to 8690' above A.D.) Moss. Moss. Yard. Yard. Yard. Ragman. Ragman. Hams. Bellringer. Bellringer. Ten Feet. Ten Feet. Ten Feet. Bowling Alley. Banbury.	Ins. Area A B 27 54 27 54 30 30 30 30 27 30 48 30 48 39 36 39 36 54 60 60 60 60 60 60 60 60 60 6	277 98 141 617 772 210 1,712 11 863 801 - - 309 1	000 tons 18 4,234 - 964 - 1,189 150 1,511 - 813 - 161 37	37 309 1 774	5.00555555 5.555555 2.00004.55555 3.555555555555555555555555555555	1.0 1.0 1.0 0.9 0.9 0.7 0.7 1.7 1.7 1.2 1.2	38.0 37.7-37.1 38.0 37.8-37.4 38.7-38.2 38.0-37.7 37.9-37.2 37.0 36.7-36.4 36.7 36.7 36.7 36.7 36.7	800 700 800 700 800 700 800 700 800 700 600 700 600 800	Recently worked in Area B Being worked in Area A Being worked in Area A
	Cockshead. Bullhurst. Bullhurst. Winpenny. Winpenny. Brickiln. Brickiln. Diamond. Diamond. Silver. Silver. Brights. Brights. TOTAL CODE NO. 800	78 - 46 - 27 27 - 24 24 27 27 33 33 -	506 542 73 104 13 305 918 304 881 1,186 119 798 570	168	506 542 73 104 13 305 918 304 881 1,186 119 798 570 5,316	36.66.688800555	0.6 3.1 2.1 2.1 2.1 3.0 3.0 1.3 1.0 1.0	34.5 38.0-37.3 37.1 37.6 37.4 37.0 36.6-36.2 38.3-37.9 37.5-37.1 37.7-36.8 36.6 39.2-38.8 38.6-38.4	700 700 600 700 600 800 700 800 700 600 700 600	Being worked in Area A.
2000	TOTAL CODE NO. 700 TOTAL CODE NO. 600		6,981 776	8,872 37	15,853				700 600	
	b). Available Between 8690' to 8300' above A.D. Moss. Yard. Ragman. Hams. Bellringer. Ten Feet. Bowling Alley Hardmine. Flatts. Winpenny. Brickiln. Brickiln. Diamond. Diamond. Silver. Brights.	- 54 - 30 27 - 48 - 36 - 36 - 36 - 36 - 36 - 36 - 36 - 30 - 24 - 24 - 24 - 24 - 24 - 24 - 33 - 33	-	9,077 2,495 1,192 1,371 2,143 1,538 2,091 531 138 1	21,952 2,495 1,571 2,145 1,538 2,091 542 138 820 657 212 319 100 377 506 138	5.5.5.0.0.5.5.5.5.0.0.0.8.8.0.5.5.6.8.8.4.5.6.5.5.6.8.8.4.5.6.8.8.4.5.6.8.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.8.4.5.6.8.8.4.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.4.5.6.8.8.8.4.5.8.4.5.6.8.5.8.4.5.8.5.8.5.8.5.5.5.5.5.5.5.5.5.5	0.8 1.0 1.0 1.0 1.7 1.2 1.0 2.1 3.0 1.3 1.0 4.5	36.2 36.9 37.2 36.7 36.1 36.0 56.3 35.8 36.6 37.1 35.9 35.8 36.9 36.7 36.4 38.0	600 700 700 700 600 600 600 700 600 700 600 6	Existing Main Locomotive Horizon. Being worked in Area B. Recently worked in Area B. Being worked in Area B.

SEAMS WITH OVER 2FT OINS OF COAL.

DIAMO NATITI OVINCE EL TOTAD GE OCALIS	7		Trage resolutions in			1			
Name of Seam.	Average Thicknes of Coal	Morkable Tonnage	Workable Tonnage	Total Area Workable Tonnage	Ash (Air Dried)	Sulphur (Air Dried)	Volatile Matter (d.m.m.f.)	Coal Survey Code No.	Remarks.
a). Above Existing 8690' Horizon (10,000' to 8690' above A.D.) Moss. Moss. Yard. Yard. Ragman. Ragman. Ragman. Hams. Bellringer. Bellringer. Ten Feet. Ten Feet. Ten Feet. Eowling Alley. Bowling Alley. Banbury. Cockshead. Bullhurst. Bullhurst. Winpenny. Winpenny. Winpenny. Winpenny. Brickiln. Brickiln. Diamond. Silver. Silver. Brights. Brights. TOTAL CODE NO. 800	Ins. Area A B 27 27 30 30 30 30 30 30 30 30 30 3	277 98 141 617 772 210 1,712 11 863 801 - - 309 1774 506 542 73 104 13 305 918 304 881 1,186 119 798 570 5,148	18 4,234 - 964 1,189 150 1,511 - 813 - 161 37 	295 4,332 1,581 1,581 1,582 1,862 1,862 1,614 161 309 1,746 542 774 506 542 774 104 13 305 1,186	00055555000045555505500008800055 2.00045555505500008800055	1.000997777772216111103332223331111111111111111111111	38.0 37.7-37.1 38.0 37.8-37.4 38.7-38.2 38.0-37.7 37.9-37.2 37.0 36.7-36.4 36.7 36.7 36.7 36.7 36.7 36.7 37.0 36.7 37.0	800 700 800 700 800 700 800 700 600 700 600 700 600 700 600 700 600 700 600 700 600 700 600 700 600 700 600	Recently worked in Area B Being worked in Area A Being worked in Area A
TOTAL CODE NO. 700 TOTAL CODE NO. 600		6,981	8,872 37	15,853				700 600	
TOTAL ABOVE 8690 Ft. Horizon.		12,905	9,077	21,962					Existing Main Locomotive Horizon.
b). Available Between 8690' to 8300' above A.D. Moss. Yard. Ragman. Hams. Bellringer. Ten Feet. Bowling Alley Hardmine. Flatts. Winpenny. Brickiln. Brickiln. Diamond. Diamond. Silver. Brights.	36 36 36 36 36 36 36 36 36 	- 11	2,495 1,192 1,371 2,143 1,538 2,091 531 138 1	2,495 1,192 1,571 2,145 1,538 2,091 542 138 820 667 212 319 100 377 506 138	5.5.5.0.0.5.5.5.0.0.0.8.8.0.5.5.5.5.6.8.8.2.4.5.6.	0.8 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	36.2 36.9 37.2 36.1 36.0 36.3 36.6 37.1 35.9 35.8 36.7 36.7 36.7 36.4 38.0	600 700 700 700 600 600 600 700 600 700 600 6	Being worked in Area B. Recently worked in Area B. Being worked in Area B.
TOTAL CODE NO. 600		2,837	5,256	8,093				600	
AVAILABLE BETWEEN 8690' to 8300'ABOVE A	D.	3,149	11,500	14,649:					

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL ESTIMATED RESERVES AS AT 1st JANUARY, 1961.

APPENDIX IIA to F.631/R (1957)

SHEET 2 of 3 SHEETS.

WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY

	SEAMS WITH OVER 2 FT. O INS. OF CO.	<u>T</u>								
1	Name of Seam	Average Thickne of Coal		Workable	WALL STREET, S	Ash (Air Dried)	Sulphur (Air Dried)	Volatile Matter (d.m.m.f.)	Coal Survey Code No.	Remarks.
60		Ins.	000 tons	CHARLES I DECISION CONTROL OF			10	/0		
a).	Available Between 8300' to 6500' above A.D. (4000 ft.Deep)	Area A								
	Moss.		4 -	927	927	5,0	0.8	35.9	600	
	Yard.		50 -	736	736	3.5	1.0	36.6	20,000	
	Ragman.		E1	534	534	3.5	1.0	36.1	700 600	
20_	Ragman.	1 7	27 -	810	810	4.5	1.0	36.7	700	
	Hams.	1	3 -	531 1,921	531 1,921	4.5	1.0	36.2	600	
	Hams.	1 1	8 -	861	861	3.0 3.0	1.0	36.3 36.0-35.5	700 600	
	Bellringer.	10	6 -	2,387	2,387	4.0	0.7	36.0-35.8	700	
	Bellringer.	-	6 -	318	318	4.0	0.7	35.8	600	
	Ten Feet.		0 -	4,649	4,649	4.5	1.7	35.5-35.4	600	
	Ten Feet. Bowling Alley.		0 -	865	865	4.5	1.7	35.2	500	
	Bowling Alley.		6 -	783	783	3.5	1.2	35.8	600	
	Bowling Alley.		6 -	2,443 291	2,443	3.5	1.2	35.2	500	
	Holly Lane.		9 -	454	291 454	3.5 2.5	1.2 1.2	34.9 36.1	400 600	
	Holly Lane.	0.00	9 -	1,582	1,582	2.5	1.2	35.6-35.4	500	
	Holly Lane.	- 3	9 -	495	495	2.5	1.2	35.4	400	
	Hardmine.		1 -	1,448	1,448	4.5	1.5	35.4	500	
	Flatts.	10.70	1 -	4,396	4,396	4.5	1.5	35.0-34.8	500	
	Flatts.		0 194	836 3,176	1,030	3.5	1.0	36.2	600	
	Banbury.	10072-	1 -	17	3,176 17	3.5 3.5	1.0	35.8 35.6	500 600	
	Banbury.	45 5		5,345	5,345	3.5	1.1	35.1-34.9	500	
	Banbury. Cockshead.		1 - 1	775	775	3.5	1.1	34.7	400	
	Cockshead.	- /	8 -	5,043	5,043	3.0	0.6	33.3	500	
	Bullhurst.		1,188	1,708 348	1,708 1,536	3.0 6.5	0.6 3.1	33.1	400	
	Bullhurst.	46 4	3 -	4,432	4,432	6.5	3.1	36.2 - 35.9 35.6	500 400	Being worked in Area A.
	Bullhurst. Winpenny.	46 4		1,009	1,009	6.5	3.1	35.3	300	
	Winpenny.	27 2 27 2		72	2,058	6.0		36.7-36.5	600	
	Winpenny.	27 2		2,727	2,780	6.0	2.1	36.3	500	
	Brickiln.	24 2		122	2,043	8.0	3.0	36.1 35.5	400 600	
	Brickiln. Diamond.	24 2		2,424	2,435	8.0	3.0	35.3	500	
	Diamond.	24 2 24 2		2,179	2,161	4.8	1.3	36.4-36.2	600	
	Silver.	27 2		2,181	2,261 4,331	4.8 5.0	1.3 1.0	35.9 36.1-35.8	500 600 500 600	
	Brights.	27 2 33 3	2,650 1,210 871	-	1,210	5.0 6.5 6.5	4.5 4.5	37.0-36.7 36.4	500	Recently worked in Area A.
TOT	AL CODE NO. 700	22 3	2 0/1	2,273 5,854	1,210 3,144 5,854	5.5	4.5	36.4	500 400	
	AL CODE NO. 600		8,862	13,783	22,645		Tele		700 600	
TOT	AL CODE NO. 500 AL CODE NO. 400		2,544 871	30,528 10,218	33,072 11,089				500 400	
	AL CODE NO. 300		0/1	1,009	1,089		u '' -		300	

(39)11-04	SEAMS WITH OVER 2 FT. O INS. OF CO.	<u>AL</u>								
	Name of Seam	Thickne of Coal	ss Workable	Area B Workable Tonnage	Total Area Workable Tonnage	Ash (Air Dried)	Sulphur (Air Dried)	Volatile Matter (d.m.m.f.)	Coal Survey Code No.	Remarks.
a).	Available Between 8300' to 6500' above A.D. (4000 ft.Deep)	Ins. Area	000 ton	000 tons		1	70	70	i i	
	Moss. Yard. Yard. Ragman. Ragman. Hams. Hams. Bellringer. Bellringer. Ten Feet. Ton Feet. Bowling Alley. Bowling Alley. Bowling Alley. Holly Lane. Holly Lane. Holly Lane. Hardmine. Flatts. Flatts. Banbury. Banbury. Banbury. Banbury. Banbury. Bullhurst. Bullhurst. Bullhurst. Winpenny. Winpenny. Winpenny. Brickiln. Brickiln. Diamond. Diamond.		The Control of the Co	927 736 534 810 531 1,921 861 2,387 318 4,649 865 783 2,443 291 454 1,582 4,396 3,176 5,345 775 5,763 1,708 4,432 1,009 2,727 244 122 2,424 2,179	927 736 534 810 531 1,921 861 2,387 318 4,649 865 783 2,443 291 454 1,582 4,95 1,448 4,396 1,030 3,176 5,345 775 5,043 1,536 4,432 1,009 2,058 2,780 244 2,043 2,435 2,161 2,261	5 3 3 4 4 3 3 4 4 4 4 3 3 3 3 2 2 2 2 4 4 3 3 3 3	0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.1 1.1	35.9 36.6 36.7 36.2 36.0-35.8 35.8 35.5-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.4 35.6-35.6 35.6-3	600 700 600 700 600 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 500 600 6	Being worked in Area A.
TO	Silver. Brights. Brights. FAL CODE NO. 700 TAL CODE NO. 600	27 2 33 3 33 3	7 2,650 6 1,210 871 8,862	2,181 2,273 5,854 13,783	4,831 1,210 3,144 5,854 22,645	5.0 6.5 6.5	1.0 4.5 4.5	36.1-35.8 37.0-36.7 36.4	500 600 500 400	Recently worked in Area A.
TO	PAL CODE NO. 500 PAL CODE NO. 400 PAL CODE NO. 300		2,544 877	30,528 10,218 1,009	33,072 11,089 1,009				500 500 500 300	
A	VAILABLE BETWEEN 8300' to 6500' ABOVE A.D.		12,277	61,392	73,669					

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL ESTIMATED RESERVES AS AT 1st JANUARY, 1961.

APPENDIX IIA to F.631/R(1957)

BHEET 3 of 3 SHEETS.

WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY

SEAMS WITH OVER 2 FT. O INS. OF COA	L									
Mome of Conw	Average Thickness	Area A	Area B	Total Area	Ash (Air	Sulphur (Air	Volatile Matter	Coal		
Name of Seam	of Coal	Workable Tonnage	Workable Tonnage	Tonnage	Dried)	Dried)	(d.m.m.f.)	Carlotte and Co. 1	No.	Remarks.
	Ins.	000 tons	000 tons	000 tons	70	Ã	76			
d). Available Between 6500' to 6000' above A.D. (4000' to 4500' Deep)	Area A B									
Bullhurst. Winpenny. Brickiln. Diamond. Silver.	- 48 - 27 - 24 - 24 - 27	- "- - - -	118 256 346 622 1,042	118 256 346 622 1,042	6.5 6.0 8.0 4.8 5.0	3.1 2.1 3.0 1.3 1.0	35.3 35.9 35.1 35.7 35.6 36.2		300 400 500 500 600	
Brights. Brights.	- 36 - 36		953 917	953 917	6.5	4.5 4.5	36.2 36.0		300	
TOTAL CODE NO. 500 TOTAL CODE NO. 500 TOTAL CODE NO. 400 TOTAL CODE NO. 300			1,042 968 1,209 1,035	1,042 968 1,209 1,035					600 500 400 300	
AVAILABLE BETWEEN 6500' to 6000' ABOVE A.D.			4, 254	4,254						
e). SUMMARY						ii ii				
i) Available Between 10,000' to 8690' above A.D.		5,148	168	5,316					800	
-dodo-		6,981 776	8,872 37	15,853 613					700 600	
i) Available Between 8690' to 8300' above A.D.		312 2,837	6,244 5,256	6,556 8,093					700 600	
ii) Available Between 8500' to 6500' above A.Ddo-		8,862	5,854 13,783	5,854 22,645					700	
-dodo- -dodo-		2,544 871	30,528 10,218 1,009	33,072 11,089 1,009					500 400 300	
iv) Available Between 6500' to 6000' above A.D. -dodo-		-	1,042 968	1,042 968					600 500	
-dodo- -dodo-		=	1,209	1,209					400	
TOTAL CODE NO. 800 TOTAL CODE NO. 500 TOTAL CODE NO. 500 TOTAL CODE NO. 500		5,148 7,293 12,475 2,544 871	168 20,970 20,118 31,496 11,427	5,316 28,263 32,593 34,040 12,298					800 700 600 500	
TOTAL CODE NO. 300	ļļ		2,044	2,044					400 300	
TOTAL WORKABLE RESERVES	1	28,331	86,223	114,554						

ESTIMATED RESERVES AS AT 1st JANUARY, 1961.

APPENDIX IIA to F. 051/R(195/) BHEET 3 of 3 SHEETS.

WEST MIDLANDS DIVISION
NO.1 (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY

	Average	Area A	Area B	Total Area		Sulphur	Volatile	Coal		
Name of Seam	of Coal	Workable Tonnage	Workable Tonnage	Morkable Tonnage	(Air Dried)	(Air Dried)	Matter (d.m.m.f.)	Code	rey	Remarks.
a). Available Between 6500' to 6000' above A.D. (4000' to 4500' Deep)	Ins. Area A B	000 tons	000 tons	000 tons	Ź		76			
Bullhurst. Winpenny. Brickiln. Diamond. Silver. Brights. Brights.	- 2 - 2 - 2 - 2 - 3 - 3		118 256 346 622 1,042 953 917	118 256 346 622 1,042 953 917	6.5 6.0 8.0 4.8 5.5 6.5	3.1 2.1 3.0 1.3 1.0 4.5 4.5	35.3 35.9 35.1 35.7 35.6 36.2 36.0		300 400 500 500 600 400 300	
OTAL CODE NO. 500 OTAL CODE NO. 500 OTAL CODE NO. 400 OTAL CODE NO. 300			1,042 968 1,209 1,035	1,042 968 1,209 1,035					500 500 400 300	
WAILABLE BETWEEN 6500' to 6000' ABOVE A.D.			4, 254	4, 254						
Available Between 10,000' to 8690' above A.D. -dododododododod		5,148 6,981 776 312 2,837 8,862 2,544 871 -	168 8,872 37 6,244 5,255 5,854 13,783 30,528 10,218 1,009 1,042 968 1,009 1,035	5,316 15,853 £13 6,556 8,093 5,854 22,645 33,072 11,089 1,009 1,009					800 700 600 700 600 500 400 300 800	
OTAL CODE NO. 700 OTAL CODE NO. 500 OTAL CODE NO. 500 OTAL CODE NO. 500 OTAL CODE NO. 400 OTAL CODE NO. 300		5,148 7,293 12,475 2,544 871	168 20,970 20,118 31,496 11,427 2,044	5,316 28,263 32,593 34,040 12,298 2,044					800 700 600 500 400 300	

NOTE:

A.D. IS THE ASSUMED DATUM OF 10,000 FT. BELOW ORDNANCE DATUM.

FORMULA FOR CALCULATION OF 'WORKABLE RESERVES' 1,350 TONS PER FOOT ACRE

CHATTERLEY WHITFIELD COLLIERY 'TAKE' AREA A - EAST OF HIGH LANE FAULT

AREA B - WEST OF HIGH LANE FAULT

NATIONAL COAL BOARD

Effective Date of Estimate May 1961.

THE SUBMISSION OF CAPITAL PROJECTS FOR APPROVAL

SCHEDULE OF NEW EXPENDITURE

(Including Capital and Major Revenue Expenditure)

AIFENDIX IV to F. 631/R (1957)

WEST MIDLANDS DIVISION
NO.1. (NORTH STAFFS) AREA
CHATTERLEY WHITFIELD COLLIERY
8690' HORIZON - PROPOSED SOUTH
LATERAL AND CROSS CUT.

	Sec- tion	Sub Sec- tion	Branch	Description	Basis of Estimate	No. of items required, length of Roadway or Shaft, etc. (with Plan Ref.)	Size or Capacity.	Co Co	imated ost efore nting- ncies)		owance for ingencies.		Fees.	Total Estimated Expenditure.	Allocati Total Ex	on of penditure		Depreciation
										%	Amount	万	Amount		Revenue	Capital	另	Estimated Annual Charge.
	(a)	(b)	(c)_	(a)	(e)	(f)	(g)		(h)	(i)	(j)	(k)	(1)	(m)	(n)	(0)	(P)	(p)
	17			MINE DRIVAGE AND EQUIPMENT	- 8690¹ F	ORIZON.												
•		31ъ	M	Drivage and General Equipm	ent. T.E.			2	0,745	10	2.075	-	-	22,820	-	22,820	6.4	1,466
		32ъ	M	Drivages, Junctions etc.	T.E.	Spec. Arch Junction	: 161		2,882	10	288			₹,170	1	3,170	5	158
						1,250 yds.	151/1613"x	10	7,981	10	10,798	-	- 5	118,779		118,779	5	5,939
0																		
				TOTAL SECTION 17				13	1,608		13,161	ļ-	-	144,769	-	144,769	5.2	7,563
-															*			
-	Water State																	
-												-				111 760		
-	-			TOTAL EXPENDITURE TO BE	APPROVED.			13	1,608		13,161	÷===		144,769		144,769	5.2	(,563
-									WAY THE RESIDEN			-						
-													P					
															<u> </u>			
•	a																	
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-									+									
	e e e e e e e e e e e e e e e e e e e							,										
			-															

APPENDIX V DIRECT PROGRESS SCHEDULE.

Section	Sub-Section	Branch	Description.	1961	1962
17	31ъ	M.	Drivage and General Equipment.		
	32ъ	M.	Special Three Section Arch Junction.		
	32ъ	М.	8690' South Lateral & Cross-cut.		

Construction Period.

APPENDIX VII PHASING OF EXPENDITURE.

(Including Estimate of Interest on Capital Expenditure payable during construction).

Financial Year	during th	e Year.	Cumulative Expenditure on Capital Account up to end of	on (c) at 3%	Interest on (d) at 6% per annum	Total Interest for the year.
(a)	(b)	(c)	previous Year (d)	(e)	(f)	(g)
	£	£	£	£	£	£
1961 1962	-	23,100 121,669	23,100	693 3,651	1,386	693 5 , 037
Total New Expenditure Pet Appendix IV.		144,769	Total Interduring cons	test on Capital struction.		5,730

NATIONAL COAL BOARD

WEST MIDLANDS DIVISION

NO.1 (NORTH STAFFS) AREA

CHATTERLEY WHITFIELD COLLIERY

8690' HORIZON - SOUTH

APPENDIX IX TO F.631/R(1957)
West Midlands Division
No.1 (North Staffs.) Area
Chatterley Whitfield Colliery
8690' Horizon - South Lateral
and Cross Cut

NATIONAL COAL BOARD

THE SUBMISSION OF CAPITAL FROJECTS FOR APPROVAL

TOTAL INVESTMENT

	£.
1. New Capital Expenditure (As per Appendix IV)	144,769
2. Interest on Capital during Construction (As per Appendix VII)	5,730
3. to 7. Not applicable in this context	
8. Net Capital Investment for this scheme	150,499
9. Major Revenue Expenditure for this Scheme	

