

[Report 1951] / Medical Officer of Health, Chelmsford R.D.C.

Contributors

Chelmsford (England). Rural District Council.

Publication/Creation

1951

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CHELMSFORD
RURAL DISTRICT COUNCIL

ANNUAL REPORT

OF THE

MEDICAL OFFICER of HEALTH

(JOHN F. MACDONALD, M.D., D.P.H.)

(Barrister-at-Law)

FOR

1951.

SOUTHEND :

W. H. Houldershaw, Ltd., 49-55, London Road,

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LONDON ROAD,
CHELMSFORD.

1st July, 1952

To the Chairman and Members of the Chelmsford Rural District Council.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present for your consideration the Annual Report on the health and sanitary circumstances of your District during the year 1951.

The Death Rate for the year per 1,000 population was 10.5 compared with 10.4 for 1950, and the Birth Rate was 15.0 compared with 16.4 for the previous year.

Of the 413 deaths allotted to the District, 201 equal to 48.5 per cent were of persons over 75 years of age, 105 or 25 per cent over 80, and 13 or 3 per cent over 90 years of age. The total number of deaths of persons under the age of 45 was 39 or 9.4 per cent of the total deaths. Under 1 year of age the total number of deaths was only 16 and with the exception of 2, were due to prematurity or congenital defects.

Heart disease was responsible for 118 deaths, or 28 per cent of the total deaths, Malignant diseases for 75 deaths or over 18 per cent. These two diseases accounted for 193 deaths or nearly half of the total.

Except for epidemics of Measles and Whooping Cough, the number of cases of infectious diseases was not above the average. Diphtheria was again absent throughout the year.

To my colleagues I am much indebted for valuable assistance in the preparation of this Report.

For the sympathetic consideration of the Council, I wish to express my thanks.

Your obedient servant,
JOHN F. MACDONALD.

STAFF.

Clerk of the Rural District Council : C. R. Plumtree.

Deputy Clerk of the Rural District Council : C. A. Bohannon.

Treasurer of the Rural District Council : M. W. Butcher.

PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health : John F. Macdonald, M.D., D.P.H.
(also Medical Officer of Health for the Rural District of Maldon).

CHIEF SANITARY INSPECTOR'S DEPARTMENT.

Chief Sanitary Inspector and Petroleum Inspector :*

A. Denton Ogden, M.B.E., F.R.San.I., F.S.I.A.

Deputy Chief Sanitary Inspector :*

T. H. C. Bartrop, M.R.San.I., M.S.I.A.

Sanitary Inspectors :—*

L. G. Smart, M.R.San.I., M.S.I.A., A.M.I.S.E.

G. E. J. Potter, M.R.San.I., M.S.I.A.

Clerks : F. B. Brewster.

R. H. Hawkes.

*Qualified Inspectors of Meat and other Foods, Royal Sanitary Institute.

ENGINEER & SURVEYOR'S DEPARTMENT.

Engineer and Surveyor : W. E. Bunker, M.I.Mun.E.,
M.R.San.I.

Deputy Engineer and Surveyor : P. Dendy, A.M.I.Mun.E.,
M.R.S.I., A.M.Inst.H.E.

Assistant Engineer and Surveyor : D. C. Pinder.

ESTATES MANAGER'S DEPARTMENT.

Estates Manager : E. Ollett.

Deputy Estates Manager : T. Archer.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

The Rural District Council consists of 49 elected members and meets monthly. There are several Committees dealing with Public Health matters, which meet on the 2nd and 3rd Tuesday of each month. The Committees' reports are presented at the following Council Meeting—4th Tuesday in each month. A copy of the Minutes of the Council and reports of the Committees are issued to each member.

LIST OF COMMITTEES.

General Purposes and Staffing.

Finance.

Buildings and Planning.

Public Health.

Housing.

Building Licensing.

Building Contracts.

Re-Housing.

Slum Clearance.

Estates Management.

Drainage and Water.

Fuel and Lighting Advisory.

Catering.

Community Centres.

Council and Staff Joint.

Civil Defence.

Hutments.

Reception.

Grants: Sub.

Rents Rebates.

The Council is represented on the :—

Chelmsford Joint Sewerage Committee.

South-East Essex Superannuation Joint Committee.

Borough of Chelmsford and Rural District Road Safety Committee.

East Central-Essex Area Planning Sub-Committee.

Chelmsford and District Tuberculosis After-Care Association.

Chelmsford and District Youth Committee.

Essex County Branch, Rural District Councils' Association.

Divisional Executive Education Committee.

Joint Advisory Committee on Rural Housing.

Mid-Essex Health Area Sub-Committee.

Old People's Committee.

Chelmsford Hospital House Committee.

Boreham Airfield Community Centre Committee.

Essex Boroughs and District Councils' Association.

Eastern Regional Executive Committee (National Housing and Town Planning Council).

Citizens' Advice Bureau Sub-Committee.

Standing Conference Civil Defence.

Laboratory Facilities.

These services are provided by the County Council and at St. John's Hospital, Chelmsford.

Hospitals.

The local hospitals are in the 18th Group of the North East Metropolitan Hospital Board.

Maternity and Child Welfare is administered by the County Council.

Registered Nursing Homes. These are controlled by the Essex County Council. There are two in the district.

Residential Club for Elderly People.

The available accommodation at the Residential Club for Elderly People, opened in 1947, at Docklands, Ingatestone, is fully taken up. At the end of the year there were 21 residents.

As there is difficulty in getting domestic help for elderly people living in private houses, the club is meeting a real need.

The day-to-day management is vested in a local committee,

Civic Restaurant. The British Restaurant in Great Baddow is now in use as a civic restaurant.

Ambulance Facilities. These are provided by the County Council.

National Assistance Act, 1948. No action was taken during the year under Section 47 of The National Assistance Act, 1948 (Removal to suitable premises of persons in need of care and attention).

Section 50 of The National Assistance Act has placed on the council the duty of arranging the burial or cremation of the body of any person who has died or is found dead in the area, when no suitable arrangements have been, or are being made otherwise than by the authority. The Council arranged the following burials during :—

1948	...	...	...	...	3
1949	...	...	...	...	5
1950	...	...	...	...	4
1951	...	...	...	...	6

Mortuaries. There is a mortuary for infectious cases at the Isolation Hospital, Great Baddow. A modern mortuary is available at St. John's Hospital, Chelmsford, also at Chelmsford and Essex Hospital, Chelmsford.

Clinics and Treatment Centres. These are provided by the Essex County Council as given in the following tabular statement :—

MATERNITY AND CHILD WELFARE CENTRES

Centre	Address	Sessions (Monthly)
Great Baddow ...	Parish Hall	2nd & 4th Thursdays, 2 p.m.
Galleywood ...	Keene Memorial Hall ...	3rd Tuesday, 2 p.m.
Boreham ...	Village Hall	3rd Tuesday, 2 p.m.
Boreham Aero- drome ...	Hut 16, Site 2.	Every Monday, 2 p.m.
Broomfield ...	Church Room	1st and 3rd Thursdays, 2 p.m.
Chignal Smealey	Congregational Church Room	4th Monday, 2.30 p.m.
Danbury ...	Village Hall	1st & 3rd Thursdays, 2 p.m.
Good Easter ...	Village Hall	Last Thursday, 2.30 p.m.
East Hanningfield	Women's Institute Hall ...	1st Tuesday, 2 p.m.
South Hanning field ...	Women's Institute Hall, Downham	1st Friday, 2 p.m.
Ingatestone ...	Working Men's Club ...	2nd & 4th Fridays, 2 p.m.
Great Leighs ...	Village Hall	2nd Tuesday, 2.30 p.m.
Rettendon ...	Village Hall	3rd Wednesday, 2 p.m.
Roxwell ...	Village Hall	2nd Thursday, 2.30 p.m.
Springfield ...	Baptist Chapel	Every Thursday, 2 p.m.
Stock	Congregational Schoolroom	3rd Thursday, 2 p.m.
Great Waltham...	Village Hall	3rd Tuesday, 2 p.m.
Little Waltham...	Chapel Schoolroom ...	1st Tuesday, 2 p.m.
Woodham Ferrers	Congregational Schoolroom	2nd Monday, 2 p.m.
South Woodham	Village Hall	1st Monday, 2 p.m.
Writtle	Village Hall	2nd & 4th Tuesdays, 2.30 p.m.
Highwood ...	Iron Room... ..	4th Wednesday, 2.30 p.m.

ANTE-NATAL CLINIC.

Chelmsford and Essex Hospital, London Road, Chelmsford, Tuesdays,
2.30 p.m.

Rettendon, Village Hall, 1st Wednesday, 10 a.m.

Women's Welfare Clinic, Coval Lane Clinic, Chelmsford, 2nd and 4th Thurs-
days, 10 a.m.

Coval Lane Ante-Natal Clinic, Mondays, 10 a.m.

TUBERCULOSIS DISPENSARY.

Address :
Broomfield Hospital,
Chelmsford.

Hours of Session :
Mondays and Wednesdays,
10—12 noon.

VENEREAL DISEASES.

Treatment is available at the Chelmsford and Essex Hospital, London
Road, Chelmsford, and at Essex County Hospital, Colchester.

MINOR AILMENT CLINIC.

Coval Lane, Chelmsford, Tuesday to Friday 9—11 a.m.
Doctor attends Fridays.

OPHTHALMIC CLINIC.

Coval Lane, Chelmsford, Mondays 2 p.m., Wednesdays 10 a.m.

DENTAL CLINIC.

Coval Lane, Chelmsford, Monday to Friday 9 a.m.—4.30 p.m.
(by appointment).

CHILD GUIDANCE CLINIC.

"Highfields," London Road, Chelmsford (by appointment).

SPEECH CLINIC.

5, Market Road, Chelmsford, Wednesdays & Fridays 10 a.m.
except 5th Friday.

ORTHOPAEDIC CLINIC.

Coval Lane, Chelmsford, Mondays 2 p.m., Tuesdays 10 a.m.,
Wednesdays 10 a.m. (by appointment).

ASCERTAINMENT CLINIC.

Coval Lane, Chelmsford, Once every two months (by appointment).

IMMUNISATION CLINIC.

Coval Lane, Chelmsford, 1st Monday 2—4 p.m.

PREVALENCE AND CONTROL OF INFECTIOUS DISEASES

Infectious Diseases Generally

During the year 828 cases of infectious diseases (exclusive of Tuberculosis) were notified compared with 432 during 1950. The increase was due to epidemics of measles and whooping cough. These epidemics began in the last quarter of 1950 and continued during the first six months of 1951. The 585 measles and 157 whooping cough cases notified were only a proportion of actual cases in the district, as in many instances no medical aid was called.

Diphtheria has been absent for six consecutive years, and during the last thirteen years no death has occurred from this disease in the district. The type of scarlet fever has again been of a mild nature. This is the fourteenth consecutive year in which no death has occurred from scarlet fever in the district.

One case of acute poliomyelitis (infantile paralysis) came under observation. Prior to the onset, the boy, aged 15 years, had been on holiday. He developed slight temporary paralysis of the muscles of the lumbar region. The present prevalent medical opinion is that this disease is conveyed mainly by personal contact.

During the year a number of contacts of smallpox cases came into the district, but fortunately none developed the disease.

A person suspected of suffering from an attack of gastro-enteritis was admitted to hospital. The patient was later found to be a case of paratyphoid fever. The man resided in the district but worked outside the area.

Details of the incidence of notifiable infectious diseases, classified, according to age and locality are given on pages 10 and 11.

TABLE SHOWING LOCAL DISTRIBUTION OF CASES
NOTIFIED DURING THE YEAR.

PARISH	Anterior Polio-myelitis	Erysipelas	Dysentery	Measles	Pneumonia	Puerperal Pyrexia	Scarlet Fever	Paratyphoid Fever	Whooping Cough	Pulmonary Tuberculosis	Other Forms of Tuberculosis	Totals
Great Baddow	—	2	7	100	5	—	—	—	21	3	1	139
Little Baddow	—	—	—	11	—	—	—	—	1	1	—	13
Boreham	—	—	—	33	—	—	1	—	10	—	1	45
Broomfield	—	—	—	28	—	—	6	—	3	2	—	39
Chignall	—	—	—	1	—	—	—	—	—	—	—	1
Danbury	—	1	—	44	1	—	8	—	8	1	—	63
Good Easter	—	—	—	17	—	—	—	—	—	—	—	17
East Hanningfield	—	—	—	19	—	—	—	—	11	2	—	32
South Hanningfield	—	—	—	16	2	—	—	—	9	1	—	27
West Hanningfield	—	—	—	—	—	—	6	—	—	—	—	7
Ingatstone & Fryerning	—	—	—	16	12	—	—	—	38	3	—	69
Great & Little Leighs	—	—	—	13	—	—	4	—	2	—	1	20
Margaretting	—	—	—	4	1	—	—	—	—	—	—	5
Mashbury	—	—	—	—	—	—	—	—	—	—	—	—
Mountnessing	—	—	—	1	1	—	—	—	8	—	—	10
Pleshey	—	—	—	5	—	—	—	—	1	1	—	7
Rettendon	—	—	2	43	—	1	1	—	1	1	—	49
Roxwell	—	—	—	63	1	—	8	—	12	—	—	84
Runwell	—	—	—	19	—	—	1	—	8	4	—	32
Sandon	—	—	—	9	—	—	—	—	1	2	—	13
Springfield	1	—	—	1	1	—	—	—	1	1	—	3
Stock	—	—	—	6	1	—	3	1	1	1	—	13
Great Waltham	—	—	—	12	—	—	1	—	1	—	—	13
Little Waltham	—	—	—	18	1	—	—	—	1	1	—	21
Woodham Ferrers	—	—	—	75	1	—	2	—	18	2	1	99
Writtle	—	—	—	31	1	1	1	—	3	3	1	41
TOTALS	1	3	9	585	28	2	42	1	157	29	5	862

NOTIFIABLE DISEASES DURING THE YEAR.

Infectious Diseases	Total Cases Notified	Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 and over	Cases admitted to Hospital
Anterior Poliomyelitis ...	1	—	—	—	—	—	—	—	1	—	—	—	—	1
Erysipelas ...	3	—	—	—	—	—	—	—	—	—	1	2	—	2
Measles ...	585	27	47	52	74	74	267	25	8	7	3	1	—	7
Pneumonia ...	28	1	—	2	—	—	1	1	—	3	5	5	10	—
Puerperal Pyrexia ...	2	—	—	—	—	—	—	—	1	1	—	—	—	—
Scarlet Fever ...	42	—	1	3	2	6	20	7	—	2	—	—	1	19
Paratyphoid Fever ...	1	—	—	—	—	—	—	—	—	1	—	—	—	—
Whooping Cough ...	157	15	10	15	23	21	60	10	2	—	—	1	—	6
Dysentery ...	9	1	—	1	—	1	—	—	3	—	1	1	1	—
TOTALS ...	828	44	58	73	99	102	348	43	15	14	10	10	12	35

TUBERCULOSIS.

The following table gives particulars of new cases of Tuberculosis and deaths during the year.

Age Periods	*New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	—	—	—	—	—	—	—	—
5—10 ...	—	—	1	1	—	—	—	—
10—15 ...	—	—	—	—	—	—	—	—
15—20 ...	—	3	—	1	—	—	—	—
20—25 ...	2	—	—	—	—	—	—	—
25—35 ...	6	2	—	—	—	—	—	—
35—45 ...	2	—	—	1	—	—	—	—
45—55 ...	7	1	—	—	2	—	—	—
55—65 ...	6	—	—	—	1	—	—	—
65 & over ...	—	—	—	1	1	—	—	—
TOTALS ...	23	6	1	4	4	—	—	—

*Not including cases of tuberculosis removed into the District during the year, which had been previously notified elsewhere.

WATER SUPPLY

A constant piped water supply is provided from the mains of the Council, the Southend Waterworks Company (these are in the statutory area of the Company which includes the parish of Mountnessing and part of the parish of South Hanningfield) and two small private piped supplies in the parishes of Boreham and Great and Little Leighs. A few houses in various parishes are supplied from the mains of neighbouring water authorities.

The water from the Council's mains is purchased under statutory authority from the South Essex Waterworks Company. The supply is by gravitation from the reservoir at Danbury and from the trunk mains of the company. At three points—Danbury, Ingatestone and Stock—there are electric automatic boosting plants to provide a supply to the high levels in these localities.

At the 31st March, 1952, the Water Engineer was able to report to the Drainage and Water Committee that of the 10,945 houses in the Council's area of supply 10,528 houses (96 per cent.) were on route of mains and 10,229 houses (93·4 per cent.) were provided with supply from the mains.

In the statutory area of the Southend Waterworks Company there are 615 houses and of these the Company provide water supply to 516 houses.

Of the 11,561 houses in the district, 11,066 (95·6 per cent.) were on route of mains and 10,741 (92·8 per cent.) were provided with a water supply from the mains.

With the proposed mains extensions approved by the Ministry a further 83 houses will be on route of mains. The Southend Waterworks Company is, at present, extending their mains to cover 20 houses.

When these extensions are completed, the number of houses in the District without a piped water supply available will be reduced to 388 (3·3 per cent.)

Seventeen houses outside the District are supplied from the Council's mains (Borough of Chelmsford, 4; Rural Districts of Braintree, 6; Dunmow, 2; Maldon, 3; and Urban District of Billericay, 2). In addition bulk supply is provided for the Rural District of Braintree at three points—at Ranks Green and Fuller Street in parish of Great and Little Leighs and at Damases Lane in parish of Boreham.

Connections with the mains of neighbouring water authorities have been made at Main Road, Broomfield, and One Bridge, Roxwell Road (to the Chelmsford Borough mains) and at Ingatestone/Mountnessing and Runwell/Wickford boundaries and at Woodham Ferrers (to the mains of the Southend Waterworks Company).

During 1949 a few householders complained of the discolouration of the water from the Council's mains. The South Essex Waterworks Company carried out treatment with lime at their works and no further complaints were received.

During 1950 the Hanningfield Water Order, 1950, was confirmed. It operates as from 1st March, 1951. The Order gives authority to the Southend and South Essex Waterworks Companies to provide a reservoir in South and West Hanningfield parishes. The area purchased by the two Companies is approximately 1,400 acres, of which 960 acres will be flooded. They are authorised to extract water, not exceeding 43 million gallons in any period of 14 days, from the Chelmer and Blackwater Rivers. The Order also authorises the Chelmsford Rural District Council to make application for water reservation.

The reservoir will submerge 19 dwellings (South Hanningfield, 12; West Hanningfield, 7). In addition, in the area to be acquired, 9 dwellings (South Hanningfield) may have to be destroyed and probably 8 will remain intact. The capacity of the reservoir will be six thousand million gallons. During the early part of 1952, the works were under construction.

During the year ended 31st March, 1952, water was supplied throughout the District, as shown in the following table:—

From South Essex Waterworks Company

	<i>Gallons</i>
Great Baddow area (Butts Green No. 1 connection)	63,983,000
Danbury area (Butts Green No. 2 connection)	107,266,000
Ingatestone, Margaretting and Writtle (West Hanningfield connection) ...	61,934,000
Northern area (Danbury reservoir connection)	112,821,000
Stock area (Downham Road connection)	8,219,000
Seaman Lane (1" connection from trunk mains to supply 4 houses)...	32,000
	<hr/>
	354,255,000

The above figures show an average daily consumption of 970,518 gallons. The total for the year ended 31st. March, 1951 was 347,006,000 gallons giving a daily average of 950,685 gallons.

Of this amount 157,219,000 gallons were supplied to consumers by meter.

Included in the above figures are the amounts of :—

938,000 gallons supplied to Chelmsford Corporation;
1,484,000 gallons supplied to Braintree Rural District Council.
The amount of water supplied to consumers by meter during the year ended 31st March, 1951 was 155,966,500.

In addition to the above, supplies were afforded direct to consumers by the South Essex Waterworks Company, by means of connections to their trunk watermain, as follows.

<i>No. of Supplies</i>						<i>Amount Supplied Gallons</i>
Danbury	...	...	1 connection for 2 houses			42,000
South Hanningfield	...	1	"	"	4	695,000
West Hanningfield	...	3	"	"	3	424,000
Sandon	...	3	"	"	5	369,000
Stock	...	3	"	"	3	148,000
						<hr/> 1,678,000 <hr/>

In addition, Southend Waterworks Company supplied in their statutory area as follows :—

	<i>Gallons</i>
Mountnessing Parish	6,046,000
South Hanningfield	8,028,000
(part of)	
Woodham Ferrers	150,000
(small area)	
	<hr/> 14,224,000 <hr/>

This gives a grand total of over 370 million gallons of water supplied annually to consumers in the district.

The water supply was satisfactory in quality and quantity throughout the year.

South Essex Company provided 96 per cent. of the total water distributed in the District.

The District Council has statutory rights for a bulk water supply from the Borough of Chelmsford (Chelmsford Water

Act, 1923), Southend Waterworks Company (Southend Waterworks Act, 1924), the South Essex Waterworks Company (South Essex Waterworks Act, 1935) and from the proposed Hanningfield Reservoir (The Hanningfield Water Order 1950).

Included in the number of houses with a piped water supply are :—

- 16—Springfield supplied from Borough of Chelmsford's mains.
- 4—Good Easter supplied from Dunmow Rural District mains.
- 1—Great Waltham supplied from Dunmow Rural District mains.
- 1—Roxwell supplied from Ongar Rural District mains.
- 4—Great and Little Leighs supplied from Braintree Rural District mains.
- 1—Runwell from Southend Company's main (outside Company's area).
- 2—Danbury direct from South Essex trunk mains.
- 4—South Hanningfield direct from South Essex Trunk mains.
- 3—West Hanningfield direct from South Essex Trunk mains.
- 5—Sandon direct from South Essex Trunk mains.
- 3—Stock direct from South Essex Trunk mains.

Hutments included in total of houses supplied are :—

Boreham	}	Boreham	...	...	...	84
Great and Little Leighs		Aerodrome	...	...	...	101
Little Waltham			...	...	...	56
Danbury (Giberacks Militia Camp)			...	...	...	38
Chignal (Bedells Cross)			...	...	...	3
Roxwell (Cross Keys Camp)			...	...	...	11
Roxwell (Boyton Cross Militia Camp)			...	...	...	35
Total ...						328

At the end of March, 1952, the Council's Water Supply Undertaking comprised 212 miles of watermains, made up as follows :—

Northern Area				<i>Miles</i>	
Up to 6" diameter	...	...	...	70.5	
6" diameter and over	...	...	...	22.5	93.0
Southern Area					
Up to 6" diameter	...	...	...	95.5	
6" diameter and over	...	...	...	23.5	119.0
					212.0 miles

The following table shows the number of supplies afforded from these mains.

COUNCIL'S AREA OF SUPPLY

Parish	Number of Houses and Hutments					
	Total	Supplied with water from mains	Not connected but on route of existing mains	Not on route of existing mains	On route of proposed extensions	After extensions completed mains not available
Great Baddow (s.p.a.)	1,593	1,587	—	6	—	6
Great Baddow (o.s.p.a.)	414	392 (3)	8	14	—	14
Little Baddow ...	307	266	16	25	13	12
Boreham ...	461	399 (80)	23	26	19	7
Broomfield ...	565	560	5	—	—	—
Chignall ...	128	121 (10)	4	3	—	3
Danbury ...	808	780 (38)	21	7	—	7
Good Easter ...	123	118	5	—	—	—
East Hanningfield ...	134	133 (4)	—	1	—	1
South Hanningfield ...	104	92	3	9	—	9
(R.D.C. area of supply.)						
West Hanningfield ...	206	185	4	17	3	14
Ingatestone ...	776	762	2	12	10	2
Great & Little Leighs	411	340(103)	23	25	—	25
Margaretting ...	230	194	5	31	8	23
Mashbury ...	42	28	14	—	—	—
Pleshey ...	113	109 (10)	3	1	—	1
Roxwell ...	322	252 (50)	35	35	10	25
Runwell ...	457	422 (13)	11	24	8	16
Rettendon ...	324	319 (1)	4	1	—	1
Sandon ...	255	248	4	3	—	3
Springfield ...	149	116	11	22	—	22
Stock ...	380	344	13	23	1	22
Great Waltham ...	550	472 (7)	40	38	9	29
Little Waltham ...	378	349 (54)	20	9	—	9
Woodham Ferrers ...	673	642 (14)	4	27	2	25
Writtle (s.p.a.) ...	822	786	8	28	—	28
Writtle (o.s.p.a.) ...	220	176 (12)	13	31	—	31
Totals ...	10,945	10,228(£99)	299	418	83	335

SOUTHEND COMPANY'S AREA OF SUPPLY

South Hanningfield ...	320	299	5	16	—	16
(part of)						
Woodham Ferrers ...	1	1	—	—	—	—
Mountnessing ...	294	216	21	57	20	37
Totals ...	615	516	26	73	20	53
Grand Totals ...	11,560	10,744	325	491	103	388

Note. Included are two private piped supplies—one in Great and Little Leighs for 23 houses and one in Boreham providing a supply to 13 houses.

The figures in brackets in the 2nd column refer to the supplies by communal stand-pipes. The number is high owing to the number of hutments supplied from stand-pipes.

Schedule of New Supplies Afforded from the Mains during year ended 31st March, 1952.

	Existing Premises	New Houses	New Council Houses	Other Premises	Trade Supplies	Domes- tic and Trade supplies	Existing pre- mises where meters have been inserted for other than domestic purposes
Great Baddow	12	48	5	2	3	1	2
Little Baddow	—	2	—	—	2	—	2
Borcham	8	3	—	—	1	3	—
Broomfield	—	—	12	—	2	1	5
Chignall	18	—	—	1	3	4	—
Danbury	1	2	17	—	1	—	2
Good Easter	2	—	—	1	1	—	—
East Hanningfield	—	—	—	—	2	—	1
South Hanningfield	2	1	—	—	1	—	1
West Hanningfield	18	1	—	—	2	—	1
Ingatestone & Fryerning	2	—	10	1	2	3	4
Great and Little Leighs	4	—	4	—	3	—	—
Margaretting	—	4	12	1	2	—	—
Mashbury	3	—	—	—	2	—	—
Pleshey	1	—	—	—	1	1	1
Rettendon	2	1	—	—	1	—	5
Roxwell	6	1	12	—	—	1	—
Runwell	—	1	10	—	1	—	—
Sandon	9	1	13	1	—	1	2
Springfield	7	—	—	—	1	—	—
Stock	26	1	12	1	7	5	1
Great Waltham	33	—	12	1	5	—	1
Little Waltham	6	2	8	—	4	1	—
Woodham Ferrers	2	1	16	—	3	1	5
Writtle	4	3	6	—	5	5	1
	166	72	149	9	55	27	34

This is an increase of 478 supplies during the year.

*Schedule of the Number of Supplies Afforded by
Meter at 31st March, 1952.*

	Diameter of Meters								Total No. of Meters
	$\frac{1}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	1"	1 $\frac{1}{2}$ "	2"	3"	4"	
Great Baddow (s.p.a.) ...	3	66	16	4	—	1	—	—	90
Great Baddow (o.s.p.a) ...	6	36	11	5	—	—	—	—	58
Little Baddow ...	3	25	7	—	—	—	—	—	35
Boreham ...	6	28	14	1	—	2	—	—	51
Broomfield ...	2	33	9	—	—	1	—	—	45
Chignal ...	2	13	3	—	—	—	—	—	18
Danbury ...	5	51	10	3	—	1	—	—	70
Good Easter ...	1	10	1	—	—	—	—	—	12
East Hanningfield ...	16	27	6	—	—	—	—	—	49
South Hanningfield ...	3	23	4	1	—	—	—	—	31
West Hanningfield ...	7	21	10	—	—	—	—	—	38
Ingatestone ...	20	65	26	2	—	—	—	—	113
Great and Little Leighs ...	—	19	10	—	—	—	2	—	31
Margaretting ...	18	24	9	1	—	—	—	—	52
Mashbury ...	—	3	2	—	—	—	—	—	5
Pleshey ...	2	8	4	—	—	—	—	—	14
Rettendon ...	12	58	14	2	—	—	—	—	86
Roxwell ...	—	24	6	1	—	1	—	—	32
Runwell ...	3	17	3	—	—	—	1	—	24
Sandon ...	4	36	4	2	—	—	—	—	46
Springfield ...	3	11	3	—	—	—	—	—	17
Stock ...	11	47	9	—	—	—	—	—	67
Great Waltham ...	13	30	7	1	—	—	—	—	51
Little Waltham ...	4	39	11	—	—	—	—	—	54
Woodham Ferrers ...	7	82	13	—	—	—	—	—	102
Writtle (s.p.a.) ...	13	43	21	4	1	1	—	1	84
Writtle (o.s.p.a.) ...	7	18	6	2	—	—	—	—	33
	171	857	239	29	1	7	3	1	1,308

This is an increase of 98 metered supplies during the year as against 99 for the previous year.

Water mains extensions carried out by the Council during year ended 31st March, 1952 were as follows :—

						<i>Length of main in yards</i>	<i>Diameter of main in inches</i>
Great Baddow	...	Black Bridge to Maldon Road	...			4,565	4
Great Baddow	...	Dorset Avenue to Galleywood Road	...	...	...	667	6
Danbury	...	Bicknacre Road	...	...	...	201	3
Sandon	...	From Dealtrees along Woodhill Road	...	...	...	1,356	4
Stock	...	Smallgains Lane	...	...	...	544	4
Stock	...	Whites Hill	...	...	...	856	3
Little Waltham	...	Domsey Lane	...	...	...	3,346	4
South Woodham	...	Clements Green Lane	...	...	...	1,255	3
Housing Estates :							
Ingatestone	...	The Meads	...	...	...	27	3
Roxwell	...	Housing Estate	...	...	...	393	3
Little Waltham						64	3
Great Baddow		Rothmans Avenue	...	...	...	240	4
Total						13,514	

This is equivalent to 7.67 miles of main.

The length of new mains laid during the year ended 31st March, 1951 was approximately 17 miles.

In addition Southend Waterworks Company laid the following mains :—

South Hanningfield	...	...	38	4
Mountnessing	...	...	700	3
"	...	...	4,380	4
Total	...	...	5,118 yards	

**PARTICULARS OF BURST COUNCIL WATER MAINS
AND SERVICES REPAIRED DURING YEAR**

<i>Parish</i>	<i>Burst Mains</i>	<i>Burst Services</i>
Great Baddow	5	19
Little Baddow	2	3
Boreham	2	3
Broomfield	—	4
Chignall	2	3
Danbury	1	12
Good Easter	—	—
East Hanningfield	3	5
South Hanningfield	3	1
West Hanningfield	7	1
Ingatestone and Fryerning	5	4
Great and Little Leighs ...	1	1
Margaretting	—	1
Mashbury	—	—
Mountnessing	—	—
Pleshey	—	—
Rettendon	10	3
Roxwell	2	1
Runwell	6	9
Sandon	6	6
Springfield	—	1
Stock	—	1
Great Waltham	1	2
Little Waltham	1	3
Woodham Ferrers	5	14
Writtle	3	5
Totals	65	102

Burst mains during previous year totalled 85
 Burst services during previous year totalled 99

During the year it was necessary to cart only 800 gallons of water to one householder in Foxborough Chase, West Hanningfield, as against 17,550 gallons for previous year. The main is to be extended to supply this locality.

SOUTH ESSEX WATERWORKS COMPANY

ANALYSIS OF SAMPLES OF WATER PUMPED FROM THE WORKS AT LANGHAM AND LAYER-DE-LE-HAYE

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham	Layer-de-la-Haye
Appearance	Clear and Bright	Clear and Bright
Colour A.P.H.A.	under 10	under 10
Turbidity, silica scale ...	under 0.5	under 0.5
Odour	Nil	Nil
Taste	Nil	Nil
Electric Conductivity 20°C.	720	550
Total solids 180°C.	504	385
Reaction P.H.	7.8	7.9
"Free Chlorine"	0.32	0.24
Chlorides as Cl.	34	39
Total Oxidised Nitrogen ...	7.9	2.6
Nitrites as N	Nil	Nil
Hardness, Permanent	152	136
,, Temporary	246	150
,, Total	398	286
Free Ammonia	0.08	0.14
Albuminoid Ammonia	0.09	0.14
Oxygen absorbed 4hrs. 27°C.	1.20	1.33
Metals	—	—
Colony Count per m.l. on		
Agar 1 day at 37°C.	9	7
Ditto 3 days at 20°C.	18	8
Presumptive coli absent in	100 ml.	100 ml.
Bact. Coli absent in	100 ml.	100 ml.
Cl. Welchii Absent in	100 ml.	100 ml.

*Copy of a Recent Analysis of Water from the Southend Waterworks
Company's Mains.*

Chemical Results in parts per Million		
Appearance	...	Clear and Bright
Turbidity (Silica Scale)	...	Less than 0.5
Colour A.P.H.A.	...	Normal (less than 10)
Odour	...	Nil
Reaction pH	...	7.8
Electric Conductivity at 20°C.	...	720
Total Solids, dried at 180°C.	...	504
Chlorine in Chlorides	...	34
Hardness: Total	...	398
Permanent	...	152
Temporary	...	246
Nitrogen in Nitrates	...	7.9
Nitrogen in Nitrites	...	Nil
Free Ammonia	...	0.08
Albuminoid Ammonia	...	0.09
Oxygen Absorbed in 4 hrs. at 27°C.	...	1.20
Residual Chlorine	...	0.32
Metals	...	Absent

BACTERIOLOGICAL RESULTS

Number of Colonies developing on Agar per ml. in—

1 day at 37°C. 9

3 days at 20°C. 18

Presumptive Coliform

Reaction	...	Absent from 100ml.
Bact. coli	...	Absent from 100ml.
Cl. Welchii Reaction	...	Absent from 100ml.

These results are indicative of a water which is pure and wholesome in character and suitable for drinking and domestic purposes.

SEWERAGE

Sewers are provided in the more populous areas of the following Parishes :—

Great Baddow, Broomfield, Ingatestone and Fryerning, Mountnessing, Runwell, Great Waltham (Village area) Little Waltham and Writtle.

The Great and Little Waltham sewers were completed during 1950. Of the remaining areas the position is as follows :—

Great Baddow, Little Baddow, Borcham, Danbury and Springfield : A combined scheme to serve these areas was submitted to the Ministry, but the Local Inquiry has not been held.

Ingatestone and Fryerning, Margaretting, Mountnessing and Stock : A combined scheme to serve these areas was submitted to the Ministry, but a Local Inquiry has not been held.

South Hanningfield (Ramsden Heath) : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, but has not yet given a starting date.

Roxwell : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, but has not yet given a starting date.

Pleshey : A scheme was submitted to the Ministry. After a Local Inquiry the Ministry approved the scheme, but has not yet given a starting date.

Great Waltham (Ford End) : A scheme has been approved by the Ministry, but a starting date has not yet been given.

Great and Little Leighs, Woodham Ferrers (north) and Woodham Ferrers (south) :—These schemes are being considered by the Council.

During the year, 120 as against 24 for 1950, existing properties were connected to the sewers as follows :—

Great Baddow (S.P.A.) 24, Broomfield 4, Runwell 2,
Little Waltham 73, Writtle 1, Mountnessing 1 and
Great Waltham 15.

STREET LIGHTING

Chelmsford Rural District Council administer Public Lighting in the following Parishes and Contributory Places :—

Great Baddow (s.p.a.), Great Baddow (o.s.p.a.), Broomfield, Danbury (one lamp), Ingatestone, Margaretting, Mountnessing, Roxwell, Stock, Little Waltham and Writtle (s.p.a.).

Urban Powers have also been granted by the Minister of Housing and Local Government to enable the Council to administer this service in the Parishes of East Hanningfield, Rettendon and Woodham Ferrers.

All expenses of providing and maintaining the service in these Parishes have been declared by the Minister to be Special Expenses chargeable upon the individual Parishes and Contributory Places.

Parish Councils who have adopted the Lighting and Watching Act, 1833, and administer Public Lighting in their Parishes are :—

Runwell and Great Waltham.

All expenses of providing and maintaining the service are chargeable upon the parishes concerned.

In Ingatestone and Fryerning, and Mountnessing, street lighting is by gas. In the remaining areas it is by electricity.

The expenses in connection with existing installations are met by means of Special Rates upon the individual parishes, with the exception of the Improved Main Road Lighting in Great Baddow (s.p.a.). In the case of these 25 lamps, the Contributory Place, by resolution of the Council, bears an amount equal to the annual maintenance costs of 25 ordinary type lamps, the excess annual costs being met as General Expenses payable out of the General Rate. A supply of electricity is available in the populous areas of all parishes.

HOUSING

The Rural District is within the area of the East Central Essex Planning Committee.

The Council, under delegated powers, deals with applications for permission to develop.

During the six post-war years ending 31st December, 1951, the Council had completed 695 houses and private enterprise 328 (32 by a housing association—12 in 1950 and 20 in 1951).

In addition, at the end of 1951, a further 171 Council houses and 64 (40 by a housing association) privately owned houses were under construction. This makes a total of 1,258 houses completed or under construction during the six years ending 31st December, 1951.

During 1951 the Council began an interesting enterprise, by commencing the erection of a number of houses designed to accommodate elderly people. It is possible that a number of the prospective tenants may not be able to pay a reasonable rent. Under such circumstances a tenant can make an application to the National Assistance Board for a contribution towards the rent. To enable the tenants to take advantage of available social services, it is desirable to have the closest co-operation with the Welfare Authority.

The table on page 28 gives detailed particulars of Council houses. The table on page 29 gives particulars of the number of houses erected since the beginning of 1946. The number of outstanding applicants for Council houses is 1,554, compared with 1,452 a year ago, and an increasing number of new applications is coming in.

Of the permanent houses in the district, 15.4 per cent. are owned by the Council.

Council Houses.

PARISH	HOUSES ERECTED UNDER					Totals
	The Housing Act 1890	Housing (assisted scheme) 1919	The Housing (Financial Provisions) Act, 1924	Prefabricated Bungalows 1944	1925/46 Housing Acts	
Baddow, Great (s.p.a.) ...	—	51	57	30	158	296
Baddow, Great (o.s.p.a.) ...	—	12	16	—	67	95
Baddow, Little ...	6	—	8	—	12	26
Boreham ...	—	—	46	—	60	106
Broomfield ...	—	—	40	20	44	104
Chignall ...	—	—	8	—	2	20
Danbury ...	6	25	4	—	43	78
Good Easter ...	—	6	—	—	14	20
Hanningfield, East ...	—	—	12	—	17	29
Hanningfield, South ...	6	—	—	—	10	16
Hanningfield, West ...	—	—	4	—	16	20
Ingatestone & Fryerning ...	2	30	32	20	90	174
Leighs, Great & Little ...	—	—	16	—	14	30
Margaretting ...	—	6	—	—	12	18
Mashbury ...	—	—	—	—	—	—
Mountnessing ...	—	8	—	—	50	58
Pleshey ...	—	—	4	—	15	19
Rettendon ...	—	—	26	—	5	31
Roxwell ...	—	—	12	—	42	54
Runwell ...	—	—	—	—	30	30
Sandon ...	4	4	6	—	18	32
Springfield ...	—	—	—	—	38	38
Stock ...	—	—	10	—	29	39
Waltham, Great (Village) ...	—	—	20	—	38	58
Waltham, Great (Ford End) ...	—	—	12	—	17	29
Waltham, Little ...	—	—	6	—	21	27
Woodham Ferrers ...	—	4	24	—	22	50
Writtle (s.p.a.) ...	—	16	102	20	75	213
Writtle (o.s.p.a.) ...	—	—	12	—	10	22
TOTALS ...	24(a)	162	477	90	969(b)	1,722

(a) Includes 2 Waterworks Cottages in Ingatestone.

(b) Includes 2 Racecourse Cottages in Baddow, Great (o.s.p.a.)
12 Houses (Housing Fund) in Writtle (s.p.a.)

10 Agricultural Cottages :—

Hanningfield, West 4,
Writtle (s.p.a.) 4,
Ford End 2.

6 Cottages purchased by Council :—

Baddow, Great (s.p.a.) 1,
Baddow, Great (o.s.p.a.) 3,
Ford End 2.

Of the 26 houses in Rettendon under the 1924 Act, 14 were transferred from Runwell in 1948 owing to alteration in parish boundaries.

TABLE SHOWING THE NUMBER OF HOUSES ERECTED DURING THE 6 YEARS
1946-51, AND THOSE IN COURSE OF ERECTION AT END OF 1951

PARISH	Council Houses erected during					Totals	In course of erec- tion end of 1951	Private Houses erected during					Totals
	1946 & 1947	1948	1949	1950	1951			1946 & 1947	1948	1949	1950	1951	
Great Baddow (s.p.a.) ...	(a)44	4	8	18	19	97	—	54	2	4	15	24	99
Great Baddow (o.s.p.a.) ...	8	16	—	8	14	46	—	9	2	1	—	—	12
Baddow, Little ...	4	—	—	—	—	4	—	4	2	3	2	2	13
Borcham ...	—	12	2	18	4	36	14	2	4	4	3	—	13
Broomfield ...	(d)24	22	2	—	5	53	—	—	—	1	—	2	3
Chignall ...	—	—	2	—	7	2	21	3	2	3	6	1	15
Danbury ...	—	8	21	7	7	43	—	—	—	—	—	—	—
Good Easter ...	—	3	3	2	—	8	—	—	—	—	—	—	—
Hanningfield, East ...	2	4	—	—	5	11	—	—	—	—	—	—	—
Hanningfield, South ...	—	10	—	—	—	10	—	16	2	3	2	2	25
Hanningfield, West ...	—	—	12	—	—	12	—	1	2	—	—	1	4
Ingatstone & Fryerning ...	(b)32	10	—	—	34	76	—	4	2	3	1	—	8
Leighs, Great & Little ...	—	—	9	—	5	14	—	—	—	2	—	—	4
Margaretting ...	—	—	—	—	—	—	14	16	—	—	—	2	20
Maeshbury ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Mountnessing ...	—	—	—	12	10	22	—	1	—	—	—	1	2
Pleshey ...	—	—	—	15	—	15	10	1	—	—	—	1	1
Rettendon ...	—	—	5	—	—	5	17	6	—	1	1	2	8
Roxwell ...	—	8	13	—	7	28	13	13	1	2	2	2	6
Runwell ...	—	12	8	—	10	30	13	10	1	1	1	1	21
Sandon ...	—	8	—	—	—	8	—	—	—	—	—	—	—
Springfield ...	—	4	22	—	—	26	23	5	—	—	—	—	6
Stock ...	—	6	—	10	9	25	4	1	—	1	1	2	9
Waltham, Great... ..	2	16	17	8	8	51	7	1	—	4	2	3	4
Waltham, Little ...	—	8	—	—	13	21	16	8	6	1	3	—	21
Woodham Ferrers ...	2	2	—	—	—	4	32	9	6	1	1	1	21
Writtle (s.p.a.) ...	(c)32	16	—	—	—	48	—	—	—	—	—	—	—
Writtle (o.s.p.a.) ...	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals ...	154	169	124	98	150	695	171	165	35	42	(e)39	(f)47	328

Includes 90 Prefabricated Bungalows :— (a) 30, (b) 20, (c) 20, (d) 20. Also (c) includes 12 and (f) 20 erected by a housing association in Great Baddow (s.p.a.)

TABLE SHEWING POPULATION AND NUMBER OF HOUSES AT CENSUS 1931, ESTIMATED POPULATION 1950 AND THE NUMBER OF HOUSES AT THE END OF DECEMBER, 1951

PARISH	Area in statute acres (land and inland water)	Census, 1931		Estimated Population at end of 1951	Number of Houses and Hutments at end of 1951
		Population	Houses		
Baddow, Great	3805	3652	962	6824	*2007
Baddow, Little	2755	751	198	1064	307
Boreham	3802	1078	269	1567	461
Broomfield	1848	1310	433	1920	565
Chignall	2303	350	104	435	128
Danbury	3495	1807	475	2748	808
Good Easter	1988	403	103	418	123
Hanningfield, East	2519	500	117	455	134
Hanningfield, South	4930	1071	306	1442	424
Hanningfield, West	3105	521	135	700	206
Ingatestone & Fryerning	3920	2352	620	2638	776
Great & Little Leighs,	4276	886	246	1397	411
Margaretting	2616	638	162	782	230
Mashbury	898	143	41	143	42
Mountnessing	2775	749	438	1000	294
Pleshey	1712	272	75	384	113
Rettendon	4048	794	200	1100	324
Roxwell	4782	774	194	1094	322
Runwell	1674	678	190	1554	457
Sandon	2377	618	150	867	255
Springfield	1842	388	116	506	149
Stock	3555	976	185	1292	380
Waltham, Great	5776	1941	542	1870	550
Waltham, Little	2840	720	190	1285	378
Woodham Ferrers	4756	1353	391	2362	674
Writtle	8109	3111	831	3543	†1042
TOTALS	86506	27836	7673	39400	11560

* In Great Baddow s.p.a. 1594. † In Writtle s.p.a. 824.

Hutments taken over by the R.D.C. and included in the above total are :—

Boreham Aerodrome	221
Danbury (Militia Camp)	38
Chignall (Bedells Cross)	3
Roxwell (Cross Keys Camp)	11
Roxwell (Militia Camp)	35
TOTAL	308

The following tabular statement gives details of the housing work carried out during the year.

1. <i>Inspection of Dwelling Houses during the year :—</i>	
(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	180
(b) Number of Inspections made for the purpose	1,375
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	35
(b) Number of Inspections made for the purpose	110
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	9
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	144
2. <i>Remedy of Defects during the year without Service of Formal Notices :—</i>	
Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	117
3. <i>Action under Statutory Powers during the year :—</i>	
Proceedings under Public Health Acts :—	
(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	35
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
By Owners	33
Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—	
(1) Number of dwelling-houses in respect of which Demolition Orders were made	3
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders :—	
By Owners	9
(3) Number of dwelling-houses rendered fit for human habitation as a result of owners complying with undertakings to carry out works of repair—	8

SANITARY INSPECTION OF THE AREA

Slaughterhouses. There are eleven licensed slaughterhouses in the area, and although not in general use, several were used for the slaughter of home-reared pigs and goats.

Knackers Yards. There is one in the District, in the parish of Great Baddow. This is a modern building erected during 1935. It is regularly inspected and no cause for complaint has arisen.

Moveable Dwellings. During the year, forty-eight licences were in force under Section 269 of the Public Health Act, 1936.

The consent of the Planning Authority was previously obtained by the applicants.

Swimming Pool, The Chase, Ingatestone. The capacity of this open-air swimming pool is 180,000 gallons and it is fitted with a continuous purification plant. Sanitary accommodation is provided for both sexes.

May-Phil Swimming Pool, Battlesbridge. This open-air sea water swimming pool is situated about 250 yards from the Chelmsford—Southend Road on the bank of the River Crouch.

The size of the pool is 175ft. by 45ft. 6ins., with a depth varying from 3ft. to 8ft. 6ins. and its capacity is 312,000 gallons. A continuous purification plant is provided.

Sanitary accommodation is provided for both sexes.

Water Analysis. Samples of water were taken by the Chief Sanitary Inspector's Department as follows:

New mains	...	...	21
Swimming Pools	...	...	7
Springs	...	...	4
Wells	...	...	14

INSPECTIONS AND PARTICULARS OF NOTICES FOR THE YEAR, 1951.

Nature of Inspection	Total Inspections	Notices Outstanding at end of 1950	Notices Served		Notices		
			Informal	Statutory	Complied with	Cancelled	Outstanding at end of 1951
Infectious Disease Inquiries	84	—	—	—	—	—	—
Infectious Disease Disinfections	5	—	—	—	—	—	—
Houses Inspected under Public Health or Housing Acts	145	82	85	21	81	6	101
Houses "Carded" under Public Health or Housing Acts	35	—	—	—	—	—	—
Re-inspections under Housing Acts	328	—	—	—	—	—	—
Re-inspections under Public Health Acts	867	—	—	—	—	—	—
Overcrowding	11	1	1	—	1	1	—
Dirty Condition of Houses	64	2	5	1	3	2	3
Other Nuisances in Houses	61	—	—	—	—	—	—
Water Closets	50	14	4	2	9	—	11
Privies and Pail Closets ...	37	12	22	1	23	2	10
House Drainage	1,135	40	98	22	83	7	70
Other Drainage	155	3	16	—	15	1	3
Water Supply	650	66	113	28	96	18	93
Urinals	15	1	2	—	2	—	1
Pig-Styes	20	—	—	—	—	—	—
Animals Improperly Kept	15	1	—	—	—	1	—
Rats, Mice and Insect Pests	266	—	3	1	3	—	1
Tents, Vans, Sheds and Similar Structures ...	297	1	1	—	2	—	—
Schools	15	2	2	—	2	—	2
Milk Retailers' Premises ...	39	2	1	—	2	—	1
Ice Cream Premises	65	2	—	—	2	—	—
Bakehouses	48	5	5	—	3	—	7
Restaurants and Cafes ...	46	7	4	—	2	1	8
Public Houses	121	13	15	—	15	—	13
Fresh and Fried Fish Shops	11	1	—	—	—	1	—
Slaughterhouses and Butchers' Shops	94	—	—	—	—	—	—
Knackers Yards	30	—	—	—	—	—	—
Other Food Preparation and Food Shops	175	11	21	—	15	2	15
Inspections under the Shops Acts	—	—	—	—	—	—	—
Factories:—							
(a) with Mechanical Power	51	3	6	—	6	—	3
(b) without Mechanical Power	30	—	—	—	—	—	—
Public Cleansing:—							
Dustbins	67	47	30	—	51	—	26
Refuse Dumps	217	—	—	—	—	—	—
Miscellaneous	210	—	—	—	—	—	—
Control of Civil Building ...	22	—	—	—	—	—	—
Miscellaneous	183	10	17	1	11	2	15
TOTALS	5,664	326	451	77	427	44	383

The following table provide statistics of work done as a result of the service of Informal and/or Statutory Notices :—

Adequate ventilation provided to rooms	...	...	...	1
Ashbins provided	...	...	...	51
Brick footings repaired	...	...	...	14
Brick walls repaired or roughcast	...	...	...	12
Chimney flues repaired	...	...	...	10
Chimney pots provided	...	...	...	2
Chimney stacks repaired or re-pointed	...	...	...	6
Ceiling plasters, repaired or renewed	...	...	...	19
Coppers repaired or provided	...	...	...	1
Damp-proof courses provided	...	...	...	2
Dampness remedied other than by d.p.c.	...	...	...	31
Door furniture provided	...	...	...	2
Doors repaired or renewed	...	...	...	17
Eavesgutters and downspouts repaired or renewed	...	...	...	19
External wall plaster repaired or renewed	...	...	...	14
Fireplaces and stoves, repaired or renewed	...	...	...	22
Floors repaired or re-laid	...	...	...	34
Foodstores provided or repaired	...	...	...	5
Handrails provided to staircases	...	...	...	4
Hearths repaired	...	...	...	1
Internal wall plaster repaired or renewed	...	...	...	56
Internal walls repaired	...	...	...	3
Lighting of rooms	...	...	...	3
Roofs repaired or renewed	...	...	...	31
Sashcords renewed	...	...	...	19
Sinks provided or repaired	...	...	...	23
Sink waste pipes provided or renewed	...	...	...	32
Staircases provided or repaired	...	...	...	6
Washing accommodation provided	...	...	...	3
Washhouses repaired	...	...	...	3
Weatherboarded walls renewed or repaired	...	...	...	16
Windows provided or reconstructed	...	...	...	8
Window sills repaired or renewed	...	...	...	3
Windows or frames repaired or renewed	...	...	...	45
Windows re-glazed	...	...	...	3
Yards or paths repaired or paved	...	...	...	4
Miscellaneous repairs	...	...	...	20
Cesspools cleansed	...	...	...	1
Cesspool pumps repaired or provided	...	...	...	2
Choked drains cleansed	...	...	...	2
Drainage systems altered or repaired	...	...	...	15

Drainage cut off from ditches, water courses etc.	26
Foul ditches cleansed	8
Hot water boilers repaired or renewed	1
Inspection covers repaired or renewed	8
Main water supply provided to houses	91
Main water supply extended inside houses	2
Overflows from cesspools abolished	8
Pail closet structures repaired or renewed	13
Pails provided to closets	2
Sewage disposal plants provided	3
Urinals repaired or provided	6
Ventilation pipes repaired	1
Wash-hand basins provided	5
Water closet flushing apparatus repaired or renewed	2
Water closet pedestals provided	5
Water closets provided	5
Water closet structures repaired or renewed	6
Water pipes, taps repaired	1
Water butts provided	2
Wells cleansed	1
Miscellaneous work done	24

MILK SUPPLY

The Ministry of Agriculture and Fisheries is responsible for the administration of dairy farms, and this Council, under the Milk and Dairies Regulations, 1949, for the registration of distributors (who are not also producers) of milk, and for issuing dealers' licences and supplementary licences as set out below :—

Milk and Dairies Regulations, 1949.

Number of registered milk distributors with premises in the District	14
Number of registered milk distributors with premises outside the District	11

Milk (Special Designation) (Raw Milk) Regulations, 1949.

Number of dealers' licences in force during the year authorising the use of the special designation :

Accredited	4
Tuberculin Tested	7

Number of supplementary licences in force during the year authorising the use of the special designation :

Accredited	...	...	...	...	...	1
Tuberculin Tested	...	...	...	...	...	8

Milk (Special Designation) (Pasteurised and Sterilised)
Milk Regulations, 1949.

Number of dealers' licences in force during the year authorising the use of the special designation :

Pasteurised	...	...	...	...	...	10
Sterilised	...	...	...	...	...	11

Number of supplementary licences in force during the year authorising the use of the special designation :

Pasteurised	...	...	...	...	...	5
Sterilised	...	...	...	...	...	3

Milk Sampling

During the year forty-four samples of milk were submitted for examination :—

	<i>Number</i>	<i>Satis- factory</i>	<i>Unsatis- factory</i>
Ordinary	11	7	4
Tuberculin Tested	11	9	2
Tuberculin Tested (Pasteurised)	6	6	—
Pasteurised	16	15	1

Meat and Other Foods

The inspection of food is an important duty of the Chief Sanitary Inspector's Department.

The majority of animals are at present slaughtered in slaughterhouses outside the District, but meat exposed for sale or deposited for manufacture in premises within the district is regularly inspected. 114lb. beef and 368 lb. of tinned ham were condemned during 1951.

The following were also condemned as unfit for human consumption :—

Number of tins of :—

Anchovy Fillets	1
Apples	1
Apricots	13
Apricot Pulp (11lb. size)	6
Baked Beans	15
Beetroot	3
Blackberries	2
Braised Hearts	9
Carrots	6
Cherries	19
Condensed milk	13
Corned Beef (12 oz. size)	6
Corned Beef (6 lb. size)	16
Corned Beef Hash	1
Crab	6
Crushed Pineapple	14
Damsons	2
Evaporated Milk	47
Fullcream Milk	3
Fruit Salad	1
Golden Syrup	1
Grapes	1
Herrings	8
Herring Roes	2
Jam	11
Jellied Veal	1
Luncheon Meat	62
Luncheon Fry	1
Macedoine	1
Mango Slices	1
Marmalade	2
Meat Hash	1
Mincemeat	1
Minced Beef Loaf	3
Orange Slices	62
Peaches	1
Peas	51
Pears	1
Pilchards	2
Plums	44
Pork and Beef Galantine	4
Potted Meat	5
Rabbit	2
Rhubarb	1
Salmon	5
Sardines	4

Sieved Apple	12
Skimmed Milk	1
Soup	11
Sliced Peaches	1
Stewed Steak	3
Tomatoes	13
Tomato Juice	2
Veal and Ham	3
Xmas Pudding	1

Number of Jars of :—

Apricots	4
Crab	3
Jam	4
Lemon Curd	2

Number of Bottles of :—

Mustard	1
Tomato Ketchup	1

Number of Packets of :—

Corn Flakes	21
Cream Cheese	20
Jellies	2
Pudding Mixture	5
Shredded Wheat	25
Weetabix	5

Miscellaneous :—

2 $\frac{3}{4}$ lb.	Brawn
19	„ Candy Peel
7	„ Corn Flour
71	„ Figs
94	„ Haricot Beans
3 $\frac{1}{2}$	„ Jam
4	„ Luncheon Meat
35 $\frac{1}{2}$	„ Macaroni
47 $\frac{1}{4}$	„ Macaroni Rice
130	„ Sago
7 $\frac{3}{4}$	„ Water Biscuits
1	Pig's Liver
1	Pig's Mesentery
54	Cases Grapefruit
49	Bushels Carrots
3	Gallons Vinegar

BAKEHOUSES

The following table shows the number of bakehouses in occupation at the end of the year :—

GREAT BADDOW	...	...	Carters (Gt. Baddow) Ltd. L. E. Eade.
BROOMFIELD	...	...	G. H. Follett.
DANBURY	...	...	H. Digby. H. Smith E. Roast. E. S. Upson.
GOOD EASTER	...	...	J. E. Ruckert.
SOUTH HANNINGFIELD	...	...	G. Warder.
INGATESTONE AND FRYERNING			E. Warder. S. Raven
GREAT AND LITTLE LEIGHS	...		J. Fleuty.
MARGARETTING	...	...	G. O. Raven.
RETTENDON	...	...	H. and E. Benson The Country Farm Bakeries, Ltd.
STOCK	...	...	A. C. Cottee.
GREAT WALTHAM	...	...	Bigg Bros.
LITTLE WALTHAM	...	...	E. W. Amos.
WOODHAM FERRERS	...	...	Taylor and Woodland.
WRITTLE	...	...	A. W. Hance.

ESSEX COUNTY COUNCIL ACT, 1933.

Ice Cream.

At the end of the year there were 95 registered vendors of ice cream, and one wholesaler-distributor who purchases his supplies from outside the District. There is one manufacturer of ice cream in the District. His premises are of modern design and his equipment complies with the requirements of the Ice Cream (Heat Treatment Etc.) Regulations, 1947.

The retailer's source of supply is investigated before certificates are issued.

Section 14 of the Food and Drugs Act, 1938, which deals with the registration of ice cream premises is not in force in the District as the above local Act was already in force.

Ice Cream Sampling.

One hundred and ten samples of ice cream and three samples of iced lollies were submitted to the bacteriologist for examination. The samples of ice cream were placed in the following categories:—

Ministry of Health Provisional Grade	I	...	69
" " " " " "	II	...	26
" " " " " "	III	...	11
" " " " " "	IV	...	4

The percentage of samples placed in Grade IV is almost half that for 1950.

MINISTRY OF FOOD MODEL BYELAWS SERIES 1.

The above Model Byelaws have been prepared to assist local authorities in making byelaws under Section 15 of the Food and Drugs Act, 1938, for securing the observance of sanitary and cleanly conditions and practices in connection with the handling, wrapping and delivery of food sold or intended for sale for human consumption, and in connection with the sale of food or exposure of food for sale in the open air.

These Byelaws were adopted without amendment, by the Council on 28th February 1950, confirmed by the Minister of Food on 19th May, 1950, and came into operation on 26th June, 1950.

FOOD POISONING OUTBREAKS.

<i>Total number of outbreaks</i>	<i>Number of cases</i>	<i>Number of deaths</i>	<i>Organisms or other agents responsible, with number of outbreaks attributable to each</i>	<i>Foods involved, with number of outbreaks associated with each food</i>
NIL	NIL	NIL	NIL	NIL

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—INSPECTIONS for the purpose of provisions as to health, including inspections made by Sanitary Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	80	30	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority ...	85	99	5	—
(iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) ...	—	—	—	—
TOTAL ...	165	129	5	—

2.—CASES IN WHICH DEFECTS WERE FOUND.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	by H.M. Inspector	
Want of Cleanliness (S.1.)	—	—	—	—	—
Overcrowding (S.2.) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4.) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6.) ...	—	—	—	—	—
Sanitary Conveniences (S.7.) { Insufficient ...	1	—	—	—	—
{ Unsuitable or Defective ...	4	6	—	2	—
{ Not separate for sexes ...	—	—	—	—	—
Other Offences against the Act (not including offences relating to outwork) ...	—	—	—	—	—
TOTAL ...	5	6	—	2	—

OUTWORK

Nature of Work (1)	Section 110				Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (2)	No. of cases of default in sending lists to the Council (3)	No. of prosecu- tions for failure to supply lists (4)	No. of instances of work in unwholesome premises (5)	Notices served (6)	Prosecutions (7)	
Wearing apparel—Making, etc.	9	—	—	—	—	—	
Feather sorting	—	—	—	—	—	—	
TOTAL	9	—	—	—	—	—	

PUBLIC CLEANSING

A comprehensive refuse collection scheme was maintained in operation throughout the year.

The establishment of the public cleansing service was seven until the commencement of the comprehensive collection scheme in the autumn of 1947, when it was raised to twenty. The actual number employed has often been above this as 'floaters' have been carried to cushion the effect of men leaving and to deal with the increasing number of houses. This increase is made up of extensions to the existing scheme and to new houses—over six hundred new Council houses, for example. The total number of houses from which refuse is collected is nearly eleven thousand and about a quarter of a million visits are made each year.

The difficulties of obtaining and retaining the necessary number of workmen are well-known to the Council and are not peculiar to this authority, though it is acute here owing to the proximity of large factories engaged in the re-armament programme as well as in normal trade.

In order to maintain the establishments of seven for 1946 to mid-1947 and twenty for mid-1947 to mid-1952, eighty-two men have been engaged. In other words, the whole establishment has changed four times in six-and-a-half years. It is little wonder, perhaps, that under these circumstances houses are missed from time to time owing to the men's unfamiliarity with the rounds.

These eighty-two men have worked for an average period of one year four months. Of the twenty-three now employed, only two have been with us since 1946 and the average length of service is 2 years 8 months, made up as follows :—

more than 6 years	...	2
5 to 6 years	...	0
4 to 5 years	...	5
3 to 4 years	...	4
2 to 3 years	...	1
1 to 2 years	...	5
under 1 year	...	6 (includes 4 under 1 month)

At the present time, eight of the collectors are able to drive and are employed as driver-loaders. Five of the eight have been taught to drive whilst in the Council's employment.

It is interesting to note how wages have increased over the last few years and the following figures refer to those for a refuse collector. Wages absorb 80 per cent. of the total refuse collection and disposal costs.

September, 1939—£2 10s. 0d.	April, 1949—£5 4s. 0d.
January, 1946—£4 5s. 0d.	December, 1950—£5 9s. 6d
January, 1947—£4 9s. 0d.	April, 1951—£5 12s. 6d.
January, 1948—£4 16s. 0d.	September, 1951—£5 19s. 6d
January, 1949—£5 2s. 0d.	October, 1951—£6 3s. 10d.
	February, 1952—£6 9s. 4d

The transport for this service consists of the following vehicles:

<i>Vehicle No.</i>	<i>Make</i>	<i>Capacity in cu. yds.</i>	<i>Date Purchased</i>	<i>Mileage for 1951</i>
2	Dennis	7	1943	5,479
3	Shelvoke and Drewry (Mark II)	11.3	1947	5,178
4	Shelvoke and Drewry (Mark II)	11.3	1947	7,934
5	Shelvoke and Drewry (W Type)	11.3	1948	5,440
6	Shelvoke and Drewry (W Type)	11.3	1950	8,678
	Ford Van (5 cwts.)	—	1947	8,591

Vehicle No. 1, after sixteen years continuous service became unserviceable and the cost of a complete overhaul was not economic. It was sold during the year. Vehicle No. 2 is used as a reserve vehicle.

Refuse Disposal.

The controlled dumps at Southend Road, Great Baddow and at Broomfield, remained in constant use. These dumping sites are privately owned but no rents are being paid.

Salvage.

After a break of about eighteen months, a modified salvage collection scheme was re-commenced in March, 1951. During the year, 36 tons 3 cwt. 1 qr. were sold to a local merchant and the sum of £382 15s. 4d. was received.

NIGHT SOIL COLLECTION.

Night soil collection in the following parishes is carried out by a contractor.

<i>Parish</i>					<i>No. of Houses</i>
Rettendon :					
Battlesbridge	...	...	...	...	35
Hayes Chase	...	...	...	...	3
Hoe Lane ...	...	...	...	...	14
Great Waltham...	}	...	...	...	168*
Little Waltham...					
Woodham Ferrers	...	...	...	...	56

*As at December, 1951. The original number of 186 houses will be further reduced as premises become connected to the recently constructed main sewerage system.

PETROLEUM LICENCES IN FORCE DURING 1951

The number of petroleum spirit licences in force during the year was 147 (storage capacity 111,350 gallons) an increase of 23 licences over the previous year, when there were 124 licences granted, the storage capacity being 93,350 gallons.

Storage of cellulose under licence in respect of two premises was also granted, and special licences were issued for storage of petroleum spirit in respect of two motor-cycle race meetings.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA

Area (acres) ... 86,506 (land and inland waters).

Home population (estimated,
June, 1951) ... 39,120

Census population, 1951 ... 39,258 (males 18,814, females
20,444).

Population (estimated, June
1951) under 15 yrs. ... 8,953
,, 5 yrs. ... 3,491

Population, 1931 (census) 27,836 (13,628 males ; 14,208
females).

Number of families or
separate occupiers (1931) 7,441

Number of houses including
Hutments 31st December,
1951 ... 11,560

The rateable value of the district for the half-year commencing—

1st April, 1951, was £214,219

1st April, 1952, was £217,110

The sum represented by a penny rate, year ended

31st March, 1951 ... £858 4 2

31st March, 1952 ... £866 17 5

Social Conditions.

The chief occupation in the District is still agriculture. The male working population in this and associated occupations at the 1921 census was 45 per cent. of the total male working population, and in 1931, 35 per cent. This latter figure is still a substantial proportion of the male working population. A number residing in the parishes adjacent to the Borough of Chelmsford are employed in industrial works in the borough.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR

		Total	Male	Female	
Live Births	(Legitimate ...	555	298	257)	Birth-rate (R.G.) 15·0
	(Illegitimate ...	34	16	18)	
Still Births	(Legitimate ...	10	6	4)	Rate per 1,000 births
	(Illegitimate ...	1	1	—)	
Deaths	... ..	413	212	201	Death-rate (R.G.) 10·5

Deaths from:—

Enteritis and diarrhoea under 2 years of age ... Nil

Pregnancy, childbirth, abortion Nil

Number of deaths of infants under 1 year of age 16 :—

Males, 9 (illg. 1) Females 7 (illg. —),

The following tabular statement shows age and cause of death of infants under 1 year of age.

Cause of death	LIVED FOR				
	less than 24 hours	1-7 days	1-2 weeks	3-4 months	Totals
Atelectasis	1	1	—	—	2
Premature birth	4	4	1	—	9
Delay in birth	1	—	—	—	1
Congenital defects	2	—	—	1	3
Cause unknown	1	—	—	—	1
Totals	9	5	1	1	16

Death-rate of infants under 1 year of age :—

All infants per 1,000 live births 27·1

Legitimate infants per 1,000 legitimate live births ... 27·0

Illegitimate infants per 1,000 illegitimate live births —

Deaths from Malignant neoplasm (all ages) 75

Deaths from Measles (all ages) Nil

Deaths from Whooping Cough (all ages) Nil

Deaths of infants under 4 weeks of age, Males 9, Females, 6 15

Natural increase of population, namely, the excess in the number of live births over the number of deaths since 1941 is shown in the following tabular statement.

Year	Number of Births	Deaths	Increase
1941	478	416	62
1942	600	372	228
1943	584	387	197
1944	670	427	243
1945	586	358	228
1946	693	396	297
1947	770	428	342
1948	726	371	355
1949	690	391	299
1950	642	405	237
1951	589	413	176

Comparative Table of Birth and Death Rates During the Year, 1951.

	Rate per 1,000 Resident Population		Deaths under One Year per 1,000 registered Live Births
	Live Births	Deaths from all causes	
England and Wales	15·5	12·5	29·6
126 County Boroughs and Great Towns, including London ...	17·3	13·4	33·9
148 Smaller Towns with resident population of from 25,000 to 50,000 at 1931 Census... ..	16·7	12·5	27·6
Chelmsford Rural District ...	15·0	10·5	27·1

Death rate for Chelmsford Rural District when corrected for age and sex was 9·4 per 1,000 population.

The deaths classified according to age were as follows :—

	Number of Deaths							
	Occurring in district		Of non-residents occurring in district		Of residents occurring outside district		Allotted to district	
Under 1 year	M	F	M	F	M	F	M	F
1 and under 2	4	1	—	—	5	6	9	7
2 " " 5	—	2	—	2	—	1	—	1
5 " " 15	1	—	—	—	1	—	2	—
15 " " 25	—	—	—	—	—	—	—	—
25 " " 35	4	2	3	2	1	1	2	1
35 " " 45	5	5	4	4	1	2	2	3
45 " " 55	4	3	3	3	5	6	6	6
55 " " 65	7	9	2	2	9	7	14	14
65 " " 75	20	20	10	9	20	11	30	22
75 " " 75	43	39	19	20	28	22	52	41
75 and over	74	91	21	32	42	47	95	106
Totals	162	172	62	74	112	103	212	201

The following table classifies the deaths according to cause and sex.

Cause of Death	Males	Females	Totals
Tuberculosis, respiratory	4	—	4
Tuberculosis, other	—	—	—
Syphilitic disease	—	—	—
Diphtheria	—	—	—
Whooping Cough	—	—	—
Meningococcal infections	—	—	—
Acute poliomyelitis	—	—	—
Measles	—	—	—
Other infective and parasitic diseases	—	1	1
Malignant neoplasm, stomach... ..	6	8	14
Malignant neoplasm, lung, bronchus ...	8	4	12
Malignant neoplasm, breast	—	9	9
Malignant neoplasm, uterus	—	3	3
Other malignant and lymphatic neoplasms	23	14	37
Leukaemia, aleukaemia	1	—	1
Diabetes	1	1	2
Vascular lesions of nervous system ...	20	31	51
Coronary disease, angina	32	14	46
Hypertension with heart disease	6	4	10
Other heart disease	23	39	62
Other circulatory disease	9	8	17
Influenza	3	5	8
Pneumonia	14	13	27
Bronchitis	17	8	25
Other diseases of respiratory system	—	—	—
Ulcer of Stomach and duodenum	5	2	7
Gastritis, enteritis and diarrhoea	3	—	3
Nephritis and nephrosis	1	1	2
Hyperplasia of prostate	1	—	1
Pregnancy, childbirth, abortion	—	—	—
Congenital malformations	1	3	4
Other defined and ill-defined diseases	24	25	49
Motor vehicle accidents	2	3	5
All other accidents	7	4	11
Suicide	1	1	2
Homicide and operations of war	—	—	—
All causes	212	201	413

