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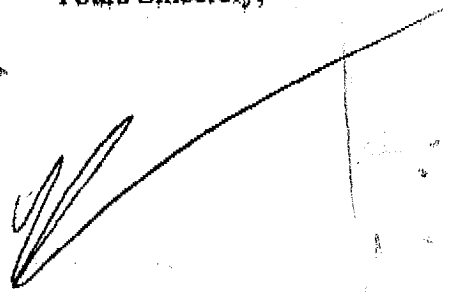
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Marie O'Connor,
Inspector for E.P.A.,
Castlewood Suite,
Boyne Valley Hotel & Country Club,
Stameen,
Dublin Road,
Drogheda.

Dear Ms O'Connor,

Please find attached references for extracts of my submission as discussed,

Yours Sincerely,



Dr.M.F.Grehan

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11.3.05

References

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“Incinerators remain the countries(U.S.A's) most significant source of dioxin” -

www.healthcentral.com - News- Dioxin Linked to decrease in male births, Richard Clapp, May 26th 2000

“Relationship between exposure to dioxins and transplacental passage was strongly affirmed” - <http://www.epa.gov/OST/fish/pcb99.html>, Reports and Chemical Fact Sheets - PUBLIC HEALTH IMPLICATIONS OF EXPOSURE TO POLYCHLORINATED BIPHENYLS (PCBs), Swain (1991)

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**SUBMISSION
TO
ORAL HEARING
MONDAY
7TH MARCH 2005
BY
DR M.F.GREHAN
MEDICAL DOCTOR
MEMBER OF LOUTH
COUNTY COUNCIL
MEMBER DUNDALK
TOWN COUNCIL.**

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**THIS SUBMISSION IS MADE ON
BEHALF OF MYSELF AND OF
MEMBERS OF LOUTH
COUNTY COUNCIL FOLLOWING A
REQUEST FROM THE
MONTHLY MEETING OF THAT
COUNCIL IN FEBRUARY 2005.**

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AT A MEETING OF THE PREVIOUS LOUTH COUNTY COUNCIL 1999-2004 ,THE REPRESENTATIVES OF THE PEOPLE OF LOUTH VOTED ON THEN WASTE MANAGEMENT PLAN THIS PLAN WAS FOR THE WHOLE OF THE NORTH-EAST. LOUTH, MEATH, CAVAN AND MONAGHAN. ONE COUNTY VOTING AGAINST THE PLAN MEANT THAT THE PLAN FAILED. LOUTH COUNTY COUNCIL VOTED AGAINST THIS PLAN BECAUSE IT PROVIDED FOR THERMAL TREATMENT OR INCINERATION.

BECAUSE INCINERATION IS GOVERNMENT POLICY THESE POWERS WERE REMOVER FROM THE COUNTY COUNCILS AND GIVEN TO COUNTY MANAGERS.

THEREFORE THOUGH THE PEOPLE OF LOUTH DECIDED THAT THEY DID NOT WANT INCINERATION THEY HAD THAT POLICY IMPOSED ON

**THEM. THEY HAVE NOT CHANGED
THEIR MINDS AND ARE BEING
FORCED TO ACCEPT INCINERATION
AGAINST THEIR WILLS.**

**WE ARE ASKING THIS INQUIRY TO
LISTEN TO THE PEOPLE OF THE
AREA AND GIVE THEM CLEAN
GREEN SPACE.**

**THE MOST IMPORTANT
CONSIDERATION OF THIS INQUIRY
MUST BE THE WISHES OF THE
PEOPLE OF THE AREA AND THAT IS
“WE DO NOT WANT INCINERATION
IN OUR AREA!”**

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THE MAIN REASON THAT PEOPLE IN THIS AREA REFUSE TO SANCTION THE CALL FOR INCINERATION IS BECAUSE THIS AREA HAS ALREADY SUFFERED FROM A MASSIVE INCREASE IN CANCERS AND ILL HEALTH.

REGARDLESS OF WHETHER THIS IS CAUSED BY DIRTY INDUSTRY I.E. THE CEMENT INDUSTRY WITH ITS MASSIVE OUTPUT OF DUST OR THE CONTAMINATION OF THE ENVIRONMENT BY RADIATION FROM SELLEFIELD

WE FEEL THAT THE MAIN REASON THAT THIS AREA WAS CHOSEN WAS BECAUSE IT IS EASIER TO BURY THE DAMAGE TO THE ENVIRONMENT IN AN AREA THAT IS ALREADY DAMAGED. WHO WILL BE ABLE TO SAY WHICH INDUSTRY IS CAUSING THE DAMAGE TO OUR HEALTH AND GENE POOL WHEN THERE IS A NUMBER OF DIRTY INDUSTRIES IN THE AREA. THUS EACH DIRTY

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**INDUSTRY WILL AVOID THE
CONSEQUENCES OF THEIR
ACTIONS AND THUS AVOID
COMPENSATION WHEN DAMAGE IS
DONE.**

**WHY SHOULD WE ASSUME THAT
THERE WILL BE A CASE FOR
COMPENSATION?**

**AS LONG AGO AS JUNE 2000
THE ENVIRONMENTAL PROTECTION
AGENCY IN WASHINGTON RELEASED
A LONG AWAITED REPORT THAT
CONCLUDED FOR THE FIRST TIME
THAT THE HIGHLY TOXIC CHEMICAL
COMPOUND DIOXIN CAUSES
CANCER IN HUMANS.**

**THE CHEMICAL ENTERS THE FOOD
CHAIN AND ACCUMULATES IN THE
FATTY TISSUE OF MAMMALS AND
FISH. IT HAS BEEN LINKED TO
NUMEROUS CANCERS IN HUMANS.**

**THAT PORTION OF POPULATION
6**

WHO EAT RELATIVE LARGE AMOUNTS OF CONTAMINATED FOODS I.E. MEAT AND DAIRY PRODUCTS INCREASE THEIR RISK OF DEVELOPING CANCER BY 1 IN 100. 10 TIMES HIGHER THAN PREVIOUSLY BELIEVED.

EXPOSURE OCCURS OVER A LIFETIME AND THE DANGER IS CUMULATIVE.

FOR THE FIRST TIME TCDD (2,3,7,8,-TETRACHLORODIBENZO-P-DIOXIN) HAS NOW BEEN CLASSIFIED AS A "HUMAN CARCINOGEN" NOT JUST A PROBABLE CARCINOGEN THERE ARE ALSO 100 OTHER DIOXINS CLASSIFIED AS PROBABLE CARCINOGENS.

LOW LEVEL EXPOSURE TO A WIDE ARRAY OF DIOXINS ALL ARE LINKED TO OTHER HEALTH PROBLEMS ,
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**DIABETES ,HEART DISEASE,
DEVELOPMENTAL PROBLEMS IN
CHILDREN**

**DIOXINS ARE ONE OF THE MOST
POTENT CHEMICAL TOXINS KNOWN
TO SCIENCE . ONE IN FOURTEEN
(1IN 14) CANCER DEATHS IN THE
UNITED STATES ARE NOW
ATTRIBUTED TO DIOXINS.**

**THE REASON GIVEN BY
PROPONENTS OF INCINERATION
FOR USING INCINERATION ARE
THAT THERE ARE MORE DIOXINS IN
THE GENERAL DOMAIN THAT ARE
PRODUCED BY THE GENERAL
PUBLIC BURNING RUBBISH ETC.
THIS IS NOT A REASON FOR
INCREASING THE LEVELS OF
DIOXIN IN THE ENVIRONMENT BY
INCREASING INCINERATION BUT BY
REDUCING THE PUBLIC'S
PRODUCTION OF DIOXINS.**

**RICHARD CLAPP OF BOSTON
8**

**UNIVERSITY SCHOOL OF PUBLIC
HEALTH, WROTE INCINERATORS
REMAIN THE COUNTRY'S (U.S.A.'s)
MOST SIGNIFICANT SOURCE OF
DIOXIN .WE DO NOT WANT ONE
IN THE NORTH EAST.**

**SOME GROUPS ARE MORE
SUSCEPTIBLE THAN OTHERS TO
THE EFFECTS OF DIOXINS'
ELDERLY
PREGANT WOMEN
CHILDERN
FETUSES
NURSING INFENTS
IMMUNO SUPPRESSED PATIENTS**

**YET THE SITE OF THIS INCINERATOR
IS A FEW MILES AS THE CROW
FLIES FROM THE LARGEST
MATERNITY UNIT IN THE REGION.**

**WHAT ARE THE HEALTH EFFECTS
OF DIOXINS ON THE HUMAN
POPULATION?**

**IT IS ALSO IMPORTANT TO
REMEMBER THAT ALL EFFECTS
OCCURRING IN THE HUMAN
POPULATION ALSO IS REPRODUCED
IN THE ANIMAL POPULATION.**

**EFFECTS IN CHILDREN ARE SHOWN
AS:-**

**DEVELOPMENT DISORDERS
COGNITIVE DEFICITS
(THESE OCCUR IN CHILDREN
WHOSE MOTHERS WERE THE
SOURCE OF THE EXPOSURE)**

**DECREASE IN GESTATIONAL AGE
10**

**DECREASE IN BIRTH WEIGHT
DECREASE IN HEAD
CIRCUMFERENCE. THESE EFFECTS
ARE CONTINUED IN TO LATER LIFE.**

**NEUROBEHAVIORAL DEFICITS
OBSERVED INCLUDES DEPRESSED
RESPONSIVENESS, IMPAIRED VISUAL
RECOGNITION, AND POOR SHORT
TERM MEMORY. ALL THESE EFFECTS
ARE STILL PRESENT AT SCHOOL
AGE.**

**SWAIN FOUND THAT THE
RELATIONSHIP BETWEEN EXPOSURE
TO DIOXINS AND TRANSPLACENTAL
PASSAGE WAS "STRONGLY
AFFIRMED "**

**OTHER EFFECTS
PERSISTENT DELAYS IN GROWTH
(HEIGHT. WEIGHT AND LEAN MASS)
REDUCED PENILE LENGTH IN BOYS
AGED 11 TO 14.
MIDDLE EAR DISEASE
INCREASED HYPOTONIA**

EXPOSURE TO DIOXINS IN ADULTS

CAUSE THE FOLLOWING PROBLEMS

CANCERS

EFFECTS ON

CARDIOVASCULAR

HEPATIC

IMMUNE

MUSCULOSKELETAL

ENDOCRINE

GASTROINTESTINAL

DERMAL SYSTEMS.

**HYPERTENSION IS ALSO INCREASED
IN EXPOSED POPULATIONS.**

**AS IS INCREASES IN CHOLESTEROL
LEVELS.**

JOINT PAINS ARE INCREASED.

DISRUPTION IN THYROID

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**HORMONES,
(DISRUPTION OF THYROID
HORMONES IN NEWBORNS CAUSE
SEVERE MENTAL RETARDATION)**

**MOST COMMON CANCERS
FOLLOWING EXPOSURE TO DIOXINS
ARE ;-**

**CANCERS OF
LIVER
GALL BLADDER
BILIARY TRACT
G.I TRACT
MALIGNANT MELANOMA
ALSO DEATH FROM MALIGNANT
MELANOMA FOLLOWING EXPOSURE
TO DIOXINS IS SIGNIFICANTLY
INCREASED.
BRAIN TUMOURS
AND
NON HODGKIN'S LYMPHOMA ARE
INCREASED IN EXPOSED
INDIVIDUALS. ALSO AN INCREASE IN
SARCOMA.
APLASTIC ANAEMIA**

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**BREAST CANCER IN PAROUS
WOMEN WHO DID NOT BREAST FEED
SHOW A SIGNIFICANT INCREASE.**

**INCREASE IN RHEUMATIC FEVER
AFTER EXPOSURE TO DIOXINS
,RHEUMATIC FEVER HAD
PRACTICALLY DISAPPEARED AND
WAS RARELY DIAGNOSED
NOWADAYS.**

**VERY MARKED DECREASE IN MALE
BABIES FOLLOWING EXPOSURE OF
YOUNG MALE.**

**DECREASED FERTILITY
DISTURBANCES IN REPRODUCTION
ORGANS**

**THERE IS AN INCREASE IN
MORTALITY IN ALL CANCERS
FOLLOWING EXPOSURE
TO DIOXINS.**

**INCREASED RISK OF PARKINSON 'S
DISEASE AND MOTOR NEURON
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DISEASE HAVE ALSO BEEN DOCUMENTED FOLLOWING EXPOSURE TO DIOXIN.

INGESTION OF DIOXINS FROM THE FOOD CHAIN IS ONE OF THE MOST COMMON WAYS THAT MAMMALS ARE EXPOSED TO DIOXINS .

BUT INHALATION IS NOW AN INCREASING PORTAL OF ENTRY.

GAS FLUE CLEANING TECHNOLOGY HAS MUCH IMPROVED OVER THE YEARS. HOWEVER NO FILTRATION SYSTEM IS ABSOLUTE AND A PROPORTION OF THE SMALLER PARTICULATES WILL PASS THROUGH AND INTO THE ENVIRONMENT.

IT IS THE SMALLER ' RESPIRABLE ' PARTICULATES ,MAINLY IN THE SUB - MICRON RANGE OF SIZE, THAT CAN BE RESPIRED DOWN INTO THE DEEPEST RECESSES OF THE LUNGS WHERE THEY REMAIN TO BE ABSORBED INTO THE LUNG PARENCHYMA AND HENCE THE BODY. THIS SORT OF EXPOSURE IS RESPONSIBLE FOR

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3% OF ALL DEATHS.

THIS SORT OF PARTICLE - INVISIBLE SOOT- CREATED BY COMBUSTION ARE NOT CAPTURED EFFICIENTLY BY MODERN POLLUTION CONTROL PROGRAMMES. ALL STUDIES SHOW THAT THERE SEEMS TO BE NO THRESHOLD. NO LEVEL OF FINE PARTICLE POLLUTION BELOW WHICH NO DEATHS OCCUR. HARVARD RESEARCHERS HAVE FOUND EVEN AIR POLLUTION LEVELS THAT ARE WITHIN LEGAL ARE KILLING PEOPLE.

BY GIVING PERMISSION FOR AN INCINERATOR A SHORT DISTANCE FROM A LARGE POPULATION I' E . DROGHEDA . THIS IS CONDEMNING THAT POPULATION TO A VERY MARKED INCREASE OF CANCERS AND CHRONIC ILL HEALTH.

THIS IS BEFORE ANYONE DEALS WITH THE HIGHLY TOXIC FLY ASH PRODUCED BY THE INCINERATOR

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**ASH THAT IS SO TOXIC THAT IT
MUST BE INCASED IN CONCRETE
AND TREATED AS NUCLEAR
WASTE IS TREATED .**

**PREVIOUSLY IT WAS NOT THE
POLICY OF THE EPA TO TAKE
SUBMISSIONS OF THE DAMAGE TO
HEALTH THAT THOSE APPLYING
FOR EPA LICENCES WERE LIKELY
TO CAUSE BUT THIS IS SO SERIOUS
THAT SHOULD IT BE IGNORED THAN
THE LICENSING AUTHORITY IS
CONDONING NOTHING SHORT OF
MURDER..... THE BODY OF
EVIDENCE IS PRESENT AND THOSE
WHO IGNORE IT, DO SO AT THEIR
OWN PERIL!**