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00969969 CAB Accession Number: 802407952
Study of the use of refuse slag concrete.
Original Title: Ondersoek naar de toepassing van afvalverbrandingsslakken-beton.
Publication Year: 1980
CAB Abstracts 1972-2001/Nov (c) 2001 CAB International
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2/6/8 (Item 3 from file: 50)
00313886 CAB Accession Number: 751915099
Effect of increasing amounts of town- refuse slag on yields and trace-element contents of wheat.
Publication Year: 1973
CAB Abstracts 1972-2001/Nov (c) 2001 CAB International
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2/6/10 (Item 5 from file: 50)
00233560 CAB Accession Number: 750330246
Preliminary trials with refuse slag as a material for the drainagelayer in turf sports grounds.
Original Title: Vorversuche mit Mullschlacke als Dranschicht-Baustoff fur Rasensportflachen.
Publication Year: 1974
CAB Abstracts 1972-2001/Nov (c) 2001 CAB International
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2/6/12 (Item 1 from file: 203)
00921338
Plant uptake of heavy metals (pots and mini plots), D: Trace metals in solid waste materials, plant availabilities in soil mixtures at varying pH, pot experiments [sandy-loam, green house, Italian ryegrass, sludge, garbage , compost, sludge-pyrolysis slag , incineration slag , incineration fly ash, manganese, copper, zinc, nickel, lead, cadmium, pH] (Spormetaloptag i planter (kar- og rammeforsoeg), D: Spormetaller i affaldsmaterialer, plantetilgaengelighed ved jordindblanding ved varierende pH; karforsoeg)
1981
[Agricultural use of sewage, 3: Report sections] (Slammets jordbrugsanvendelse, 3: Delrapporter)
AGRIS 1974-2001/Oct Dist by NAL, Intl Copr. All rights reserved

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2/6/14 (Item 1 from file: 8)
05776764
Title: Fundamental tests on application of MSW direct melting slag as soil improvement material
Publication Year: 2000
Ei Compendex(R) 1970-2001/Dec W4 (c) 2001 Engineering Info. Inc.
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2/6/15 (Item 2 from file: 8)
04918884
Title: Muellschlackenbehandlung in der MVB Hamburg-Borsigstrasse
Title: Refuse incineration slag treatment in the Hamburg-Borsigstrasse refuse incineration plant
Publication Year: 1997
Ei Compendex(R) 1970-2001/Dec W4 (c) 2001 Engineering Info. Inc.
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2/6/16 (Item 3 from file: 8)
03883223
Title: Mechanische Aufbereitung von Schlacke aus Muellverbrennungsanlagen mit dem Schwerpunkt Schrott
Title: Mechanical processing of refuse incinerator slag with special emphasis on refuse incinerator scrap
Publication Year: 1993
Ei Compendex(R) 1970-2001/Dec W4 (c) 2001 Engineering Info. Inc.
==========
2/6/17 (Item 4 from file: 8)
02801727
Title: Beurteilung der Umweltvertraeglichkeit vonMuellverbrennungsschlacken im Strassenbau.
Title: Evaluation of the environmental compatibility of using slag from refuse incineration in road construction.
Publication Year: 1989
Ei Compendex(R) 1970-2001/Dec W4 (c) 2001 Engineering Info. Inc.
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2/6/18 (Item 5 from file: 8)
00578330
Title: Refuse Slag Melting: Experiences and Expectations.
Title: MUELLSCHLACKENSCHMELZE -- ERFAHRUNGEN, ERWARTUNGEN.
Publication Year: 1976
Ei Compendex(R) 1970-2001/Dec W4 (c) 2001 Engineering Info. Inc.
==========
2/6/20 (Item 7 from file: 8)
00242360
Title: Conclusions drawn from operating experience of a refuse slag sintering plant.
Title: Folgerungen aus den Betriebserfahrungen mit einer Muellschlackensinteranlage.
Publication Year: 1971
Ei Compendex(R) 1970-2001/Dec W4 (c) 2001 Engineering Info. Inc.

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Comment No. 25 (cont.) **Issue Code: 07**

unexpected discharge of a hazardous material that threatens the life, health, or safety of citizens or the environment is considered an environmental emergency. More information on the Emergency Response Team can be found on the Internet at http://water.nr.state.ky.us/dow/dwert.htm.

Comment No. 26 **Issue Code: 12**

Vitrified frit produced from the quenching of molten slag from the gasification process is a commercial product, not a waste. The frit from gasifiers operating on a 100 percent coal feed has consistently proven to be nonhazardous under RCRA. Since this project will be using a different feed stream, the final batch of frit should be tested to ensure that it meets all TCLP criteria and is therefore nonhazardous. The vitrified frit consists primarily of ash (99.2 percent by weight) composed of oxides of the following elements silicon (SiO_2), aluminum (Al_20_3), titanium (TiO_2), iron (Fe_20_3), calcium (CaO), magnesium (MgO), potassium (K_2O) and sodium (Na_2O). The frit also consists chloride, fluoride, antimony, arsenic, beryllium, boron, cadmium, chromium, cobalt, copper, lead, manganese, mercury, molybdenum, nickel, silver, thallium, vanadium and zinc. All constituents of the frit are immobilized in a glassy matrix which is resistant to corrosion in the environment. The frit from gasifiers operating on other feed streams is considered nonleachable by EPA standards. Because the slag from the gasification process is in a fused, vitrified state, it rarely fails TCLP for metals. Slag is not a good substrate for binding organic compounds, so it is usually found to be nonhazardous, exhibiting none of the characteristics of hazardous waste. Vitrified frit produced by gasifiers operating on different feed streams passes the more stringent Universal Treatment Standards criteria of the EPA-TCLP analytical method and is nonhazardous. The frit from this facility is also expected to pass the Universal Treatment Standards criteria. Chapter 3 of the EIS has been revised to include a more detailed description of the frit.

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2/6/26      (Item 1 from file: 34)
09513461    Genuine Article#: 412VM   Number of References: 3
Title: Melting and stone production using MSW incinerated ash  (ABSTRACT
AVAILABLE)Publication date: 20010000
SciSearch(R) Cited Ref Sci  1990-2001/Dec W5 (c) 2001 Inst for Sci Info
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2/6/28      (Item 1 from file: 40)
00398899    ENVIROLINE NUMBER: 92-09432
Slag   and  Fly  Ash  from   MSW  Incineration Plants Characterization and
Reuse
Sep 91
Enviroline(R)  1975-2001/Dec
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2/6/29      (Item 1 from file: 41)
254352    98-09586
Assessment of the long-term behavior of MSW incinerator slag
Pollution Abs  1970-2001/Nov (c) 2001 Cambridge Scientific Abstracts
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2/6/30      (Item 2 from file: 41)
035545    75-02666
Using  slag  from refuse incinerators as a building material.   Publ.Yr:
1974
Pollution Abs  1970-2001/Nov (c) 2001 Cambridge Scientific Abstracts
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2/6/31      (Item 1 from file: 51)
00109885    76-02-m0224    SUBFILE: FSTA
Effect of increasing doses of incinerated household  refuse   slag  on
yield and trace element content of wheat)
Einfluss steigender Gaben an Muellschlacke auf die Ertragsbildung und den
Gehald an Spurenelementen im Weizen.
1973
Food Sci.&Tech.Abs  1969-2001/Feb W1 (c) 2001 FSTA IFIS Publishing
==============================================
2/6/32      (Item 1 from file: 63)
00793584       DA
TITLE: HOUSEHOLD- REFUSE  INCINERATION  SLAG  IN ROAD ENGINEERING - THE
FRENCH EXPERIENCE
PUBLICATION DATE: 20000000
DATA SOURCE: Transport Research Laboratory (TRL)
Transport Res(TRIS)  1970-2001/Nov (c) fmt only 2001 Dialog Corp.
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2/6/33      (Item 2 from file: 63)
00179992       DA
TITLE:  REFUSE  INCINERATION  SLAG  IN ROAD CONSTRUCTION;
AFVALVERBRANDINGSSLAK IN DE WEGENBOUW
PUBLICATION DATE: 19771000
DATA SOURCE: Transport and Road Research Laboratory Institute for Road
Safety Research State Road Laboratory, Netherlands
Transport Res(TRIS)  1970-2001/Nov (c) fmt only 2001 Dialog Corp.
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2/6/34      (Item 1 from file: 65)
03253636    INSIDE CONFERENCE ITEM ID: CN034393904
Household- refuse  incineration  slag  in road engineering -the  French
experience'
CONFERENCE: European conference on mineral planning; Mineral planning in
Europe-2nd (199910)
Inside Conferences  1993-2001/Dec W4 (c) 2001 BLDSC all rts. reserv.
==============================================
2/6/35      (Item 2 from file: 65)
02311981    INSIDE CONFERENCE ITEM ID: CN024211210
Processing and utilisation of  slag  from  refuse  incinerators
CONFERENCE:  International mineral processing congress Vol 5; Wastetreatment, recycling
and soil remediation-20th (199709)
Inside Conferences  1993-2001/Dec W4 (c) 2001 BLDSC all rts. reserv.
==============================================
2/6/36      (Item 3 from file: 65)
02090225    INSIDE CONFERENCE ITEM ID: CN021901112
Actual Data Report of Residue and Fly Ash Melting, and  Slag   Recovery in
the  MSW  Incineration Plant
CONFERENCE: ISWA international congress-7th (199610)
Inside Conferences  1993-2001/Dec W4 (c) 2001 BLDSC all rts. reserv.
==============================================
2/6/37      (Item 4 from file: 65)
00721397    INSIDE CONFERENCE ITEM ID: CN007033692
Chlorine, Sulfur, and Soluble  Slag  Extraction with Energy Density
Improvements of a  MSW  Slurry
CONFERENCE: Coal utilization and fuel systems-19th International
technical conference (199403)
Inside Conferences  1993-2001/Dec W4 (c) 2001 BLDSC all rts. reserv.
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2/6/38      (Item 1 from file: 68)
00432246  Environmental Bibliography Number: 2101077
Slag  and fly ash from  MSW  incineration plants characterization and use
PUBLICATION YEAR: 1991
Env.Bib.  1974-2001/Nov (c) 2001 Internl Academy at Santa Barbara
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Comment No. 26 (cont.) **Issue Code: 12**

Variability in the RDF content is dependent on the MSW supply. However, RDF production methods inherently yield fairly uniform and homogenous RDF. Due to the vitreous nature of the frit, there would be no particular variability when a leaching test is conducted regardless of the composition of the feed.

Comment No. 27 **Issue Code: 16**

DOE believes that the Kentucky Pioneer IGCC Demonstration Project EIS adequately analyzes the full scope of environmental impacts from the proposed project. Chapter 3 of the EIS has been modified to provide more detail on the gasification process, including the production of the vitreous frit.

Comment No. 28 **Issue Code: 13**

The intent of the project is not to lower the costs of waste disposal in certain areas but rather to demonstrate this particular technology that has the potential to enhance the economics of coal utilization and lower the emissions output of a totally coal-based system. No risks to the economic health of Kentucky have been identified. All risks to the physical health of the area are identified in the EIS. Local benefits are discussed in Section 5.3, Socioeconomics. The relatively small amounts and generally dispersed nature of MSW in Kentucky does not economically support exclusive utilization of Kentucky-generated MSW to produce RDF supplies. Importing RDF from a densely populated metropolitan area is more economically viable in order to supply the necessary amount of RDF required to operate the plant.

Comment No. 29 **Issue Code: 12**

The project produces primarily vitrified frit which is considered a commercial product, not a waste stream. The frit from gasifiers operating on a 100 percent coal feed has consistently proven to be nonhazardous under RCRA. Since this project will be using a different

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2/6/39      (Item 1 from file: 73)
03992928      EMBASE No: 1989161924
Evaluation of the environmental compatibility of using  slag  from
refuse  incineration in road construction
BEURTEILUNG DER UMWELTVERTRAGLICHKEIT VON MULLVERBRENNUNGSSCHLACKEN IM
STRASSENBAU
1989
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
==================================================
2/6/40      (Item 2 from file: 73)
03804900      EMBASE No: 1988254340
Effect of boiler ash on quality of  slag  from  refuse  combustion
EINFLUSS DER KESSELASCHE AUF DIE QUALITAT VON MULLVERBRENNUNGSSCHLACKE
1988
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
==================================================
2/6/41      (Item 3 from file: 73)
02659723      EMBASE No: 1984128682
Slag  and fluegas of  refuse  incineration
1984
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
==================================================
2/6/42      (Item 4 from file: 73)
02633069      EMBASE No: 1984152027
Slag  and fluegas of  refuse  incineration plants
1984
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
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2/6/43      (Item 5 from file: 73)
02619833      EMBASE No: 1984188791
Slag  and stack ash from  refuse  burning installations
1984
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
==================================================
2/6/44      (Item 6 from file: 73)
01618842      EMBASE No: 1980176512
Method for preparation of auxiliary building material from  slag  and ash
from  refuse  burning installations
VERFAHREN ZUR HERSTELLUNG EINES ZUSCHLAGSTOFFES FUR BAUMATERIALIEN AUS
ABFALLSCHLACKE UND FILTERASCHE AUS MULLVERBRENNUNGSANLAGEN
1980EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
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2/6/46      (Item 8 from file: 73)
00997764      EMBASE No: 1978126091
Slag  from  refuse  burning installations used in roadmaking
1977
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
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2/6/47      (Item 9 from file: 73)
00338014      EMBASE No: 1975110372
Preliminary trials of  refuse   slag  as drainage layer construction
material for turfed sport fields
VORVERSUCHE MIT MULLSCHLACKE ALS DRANSCHICHT BAUSTOFF FUR
RASENSPORTPLACHEN
1974
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
==================================================
2/6/48      (Item 10 from file: 73)
00118950      EMBASE No: 1974109052
Influence of increasing amounts of  refuse   slag  on yield of wheat and
its content of trace elements
EINFLUSS STEIGENDER GABEN AN MULLSCHLACKE AUF DIE ERTRAGSBILDUNG UND DEN
GEHALT AN SPURENELEMENTEN IM WEIZEN
1973
EMBASE  1974-2001/Dec W4 (c) 2001 Elsevier Science B.V.
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2/6/49      (Item 1 from file: 77)
4619049
Supplier Accession Number: 01-07421                V29N06
Metal release from MSW molten slag in single batch leaching test
Conference Papers index  1973-2001/Nov (c) 2001 Cambridge Sci Abs
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2/6/51      (Item 1 from file: 94)
04870860    JICST ACCESSION NUMBER: 01A0500927  FILE SEGMENT: JICST-E
Utilization of  Slag  Produced by Pyrolysis Gasification and Melting
Process of  MSW . , 2001
JICST-EPlus  1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/52      (Item 2 from file: 94)
04613997    JICST ACCESSION NUMBER: 00A0211677  FILE SEGMENT: JICST-E
Ground Improvement. The Fundamental Tests on Application of  MSW  Direct
Melting  Slag  as Soil Improvement Material., 2000
JICST-EPlus  1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/53      (Item 3 from file: 94)
04434305    JICST ACCESSION NUMBER: 00A0013173  FILE SEGMENT: JICST-E
Application of melt  slag  from  garbage  incinerated ash to fine aggregate
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Comment No. 29 (cont.) **Issue Code: 12**

feed stream, the final batch of frit should be tested to ensure that it meets all TCLP criteria and is therefore nonhazardous. Waste generated at the proposed facility that would be landfilled in the State of Kentucky would be solid waste. It is difficult to determine whether waste from this project would drive up the cost of landfilling. Landfill cost increases are dependent on a number of factors, not just the waste generated from this proposed facility. Analysis of east coast waste is beyond the scope of this EIS.

Comment No. 30 **Issue Code: 11**

Heavy metals emissions from the gas turbine operation would be less than 28.3 grams (1 ounce) per year. Total heavy metal deposition in areas downwind of the project would be much less than 1.1 kilograms per hectare (1 pound per acre) accumulated over 20 years. The maximum air pollutant increase associated with emissions from the proposed project would produce no significant short- or long-term air quality impacts and health risks are expected to be minor. Air emissions from the proposed project would be regulated by the State of Kentucky. The air quality permit for the proposed project requires continuous emission monitoring for criteria pollutants and annual emissions testing for cadmium, lead, mercury, hydrogen chloride, and dioxins/furans. Noncompliance with permitted emission levels would result in a plant shutdown.

Comment No. 31 **Issue Code: 02**

The water used for the plant and any aqueous waste stream generated by the project would be in compliance with federal, state, and local guidelines and ordinances. The presence of the facility should have no impact on future economic growth in Lexington, Clark County, or Kentucky. No burdens to the economic health of the region as a result of this project have been identified. According to the *Cumulative Assessment of the Environmental Impacts Caused by Kentucky Electric Generating Units* prepared by the Kentucky Natural Resources and

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for concrete and solidification material for cement., 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/54 (Item 4 from file: 94)
04434304 JICST ACCESSION NUMBER: 00A0013172 FILE SEGMENT: JICST-E
Utilization of melt slag (crystallization slag)from garbage
incinerated ash to coarse aggregate for concrete., 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/55 (Item 5 from file: 94)
04434298 JICST ACCESSION NUMBER: 00A0013166 FILE SEGMENT: JICST-E
Effective utilization of slag made by thermal decomposition and melting
process from the refuse . Part 1., 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/57 (Item 7 from file: 94)
04292933 JICST ACCESSION NUMBER: 99A0871943 FILE SEGMENT: JICST-E
The experimental examination on the utilization of the garbage
incineration ash liquid slag., 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
==========
2/6/58 (Item 8 from file: 94)
04258401 JICST ACCESSION NUMBER: 99A0852498 FILE SEGMENT: JICST-E
Utilization of Melted Slag of MSW for Asphalt Mixture., 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/59 (Item 9 from file: 94)
04236453 JICST ACCESSION NUMBER: 99A0814872 FILE SEGMENT: JICST-E
Stady on effective utilization of liquid slag from fly ash in garbage
incinerator., 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/60 (Item 10 from file: 94)
04193265 JICST ACCESSION NUMBER: 99A0730572 FILE SEGMENT: JICST-E
Development of Technology for Effective Utilization of Refuse
Incineration Ash and Melting Slag . . 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/62 (Item 12 from file: 94)
04188843 JICST ACCESSION NUMBER: 99A0588879 FILE SEGMENT: JICST-E
Trial manufacture of concrete secondary product using refuse liquid slag
fine aggregate., 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/63 (Item 13 from file: 94)
04150439 JICST ACCESSION NUMBER: 99A0600616 FILE SEGMENT: JICST-E
Material property of sintered garbage slag fine aggregate of different
production method., 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/64 (Item 14 from file: 94)
04150429 JICST ACCESSION NUMBER: 99A0600605 FILE SEGMENT: JICST-E
Possibility of utilization of sintered garbage slag fine powder as
alternative cement material., 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/65 (Item 15 from file: 94)
04026340 JICST ACCESSION NUMBER: 99A0378178 FILE SEGMENT: JICST-ETechnology
development in the Ministry of Construction Technology Office
114. On the basic research and test on the possibility of the reuse as
a civil engineering material of the melting solidification (the
non-industrial wastes refuse melting slag) The Touhoku Technology
Office., 1999
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/66 (Item 16 from file: 94)
03976483 JICST ACCESSION NUMBER: 99A0271560 FILE SEGMENT: JICST-E
Manufacturing of glass and glass ceramics from sludge slag and garbage
-incinerated ash 1995 - 1997 (Ministry of Education S)., 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/67 (Item 17 from file: 94)
03907441 JICST ACCESSION NUMBER: 99A0195152 FILE SEGMENT: JICST-E
The Variance in the Physical Properties of MSW Incineration Ash & Slag .
, 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/69 (Item 19 from file: 94)
03857283 JICST ACCESSION NUMBER: 99A0070883 FILE SEGMENT: PreJICST-E
Technology of strengthening garbage incineration fly ash molten slag .
, 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/70 (Item 20 from file: 94)
03792718 JICST ACCESSION NUMBER: 98A0990764 FILE SEGMENT: JICST-E
Study on Refuse Incineration Ash Slag Aggregate Concrete., 1998
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)

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Comment No. 32 **Issue Code: 14**

Environmental Protection Cabinet, further electric generation capacity often facilitates the development of the area economy. Under the 50-50 co-feed ratio, the Kentucky Pioneer IGCC Demonstration Project would require the use of approximately 2,268 metric tons (2,500 tons) of high-sulfur coal per day. The project would fulfill this need solely through Kentucky coal.

Comment No. 33 **Issue Code: 21**

Because of DOE's limited role of providing cost-shared funding for the proposed Kentucky Pioneer IGCC Demonstration Project, alternative sites were not considered. KPE selected the existing J.K. Smith Site because the costs would be much higher and the environmental impacts would likely be greater if an undisturbed area was chosen.

Comment No. 34 **Issue Code: 22**

Before any federal funds are obligated, KPE will have to provide proof of finances for construction and operation of the project.

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2/6/71 (Item 21 from file: 94)
03256817 JICST ACCESSION NUMBER: 98A0104167 FILE SEGMENT: PreJICST-E
Utilization of liquid slag of incinerated ash from the municipal refuse
to the road sub-base. , 1997
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/72 (Item 22 from file: 94)
03252627 JICST ACCESSION NUMBER: 98A0081040 FILE SEGMENT: PreJICST-E
A few consideration on the application of the surface melting style
garbage incineration ash slag to fine aggregate for concrete. ,
1997
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/73 (Item 23 from file: 94)
03109521 JICST ACCESSION NUMBER: 97A0196193 FILE SEGMENT: JICST-E
Environment and waste processing, and electric heating. Melting of plasma
type garbage incineration ash and resource recycling of slag . ,
1997
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/74 (Item 24 from file: 94)
02853686 JICST ACCESSION NUMBER: 97A0164865 FILE SEGMENT: PreJICST-E
A study on stabilization of refuse incineration residue molten slag .
, 1996
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/75 (Item 25 from file: 94)
02841414 JICST ACCESSION NUMBER: 97A0070899 FILE SEGMENT: PreJICST-E
Application of garbage incineration ash fused slag to asphalt concrete.
, 1995JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/76 (Item 26 from file: 94)
02753809 JICST ACCESSION NUMBER: 96A0347617 FILE SEGMENT: JICST-E
Practice of environmental countertechnologies. Recycling technology of
garbage incineration ash molten slag . , 1996
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/77 (Item 27 from file: 94)
02725770 JICST ACCESSION NUMBER: 96A0291249 FILE SEGMENT: JICST-E
Utilization of garbage incinerated ash liquid slag to asphalt mixture.
, 1996
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/78 (Item 28 from file: 94)
02663597 JICST ACCESSION NUMBER: 96A0060040 FILE SEGMENT: JICST-E
Resource recycling of slag by plasma-type garbage incineration ash
fusion furnace. , 1995
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/79 (Item 29 from file: 94)
02628384 JICST ACCESSION NUMBER: 95A0851395 FILE SEGMENT: JICST-E
Study of Recycling Ash of Burnt Refuse (Part 3). Application of Slag
Result from Melting Ash of Burnt Refuse for Ceramics Products., 1995
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/80 (Item 30 from file: 94)
02577671 JICST ACCESSION NUMBER: 95A0851394 FILE SEGMENT: JICST-E
Study of Recycling Ash of Burnt Refuse (Part 2). Application of Slag
Result from Melting Ash of Burnt Refuse for Aggregates., 1995
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/82 (Item 32 from file: 94)
02550518 JICST ACCESSION NUMBER: 95A0578969 FILE SEGMENT: JICST-E
Study on the Chemical Components of Slag Prepared from Oota Refuse
Incineration Plant., 1995
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/85 (Item 35 from file: 94)
01520428 JICST ACCESSION NUMBER: 92A0335287 FILE SEGMENT: JICST-E
Melting Treatment of MSW Incinerator Ash and Slag Utilization., 1992
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/86 (Item 36 from file: 94)
01342483 JICST ACCESSION NUMBER: 91A0525830 FILE SEGMENT: JICST-E
Effective utilization of melting slag from refuse incineration. (2nd
Report)., 1991JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/87 (Item 37 from file: 94)
01342481 JICST ACCESSION NUMBER: 91A0525828 FILE SEGMENT: JICST-E
Investigation on scattering of melting slag from refuse incineration.,
1991
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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01249669 JICST ACCESSION NUMBER: 90A0903543 FILE SEGMENT: JICST-E
Effective utilization of the slag . Paying attention to weight reductio of

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refuse incineration residue by high temperature melting, because of
the diffeiculty in securing reclamation land., 1990
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/89 (Item 39 from file: 94)
01141255 JICST ACCESSION NUMBER: 90A0665583 FILE SEGMENT: JICST-E
Effective utilization of melting slag from refuse incineration., 1990
JICST-EPlus 1985-2001/Nov W3 (c)2001 Japan Science and Tech Corp(JST)
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2/6/90 (Item 1 from file: 98)
02517550 H.W. WILSON RECORD NUMBER: BGSI93017550
Garbage in, gravel out: plasma torches transmute waste into harmless
slag .
May '93 (19930500)
General Sci Abs/Full-Text 1984-2001/Nov (c) 2001 The HW Wilson Co.
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2/6/91 (Item 1 from file: 103)
04251714 DE-97-0GJ061; EDB-98-009078
Title: Refuse incineration slag treatment in the Hamburg-Borsigstrasse
refuse incineration plant
Original Title: Muellschlackenbehandlung in der MVB Hamburg-Borsigstrasse
Publication Date: Oct 1997
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/92 (Item 2 from file: 103)
04028442 EDB-96-112202
Title: Integrated gasification and brick-making process for treatment
of MSW
Title: Twelfth annual international Pittsburgh coal conference:
Proceedings. Coal -- Energy and the environment
Conference title: 12. annual international Pittsburgh coal conference
Publication Date: 1995
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/93 (Item 3 from file: 103)
03981630 NEDO-95-930346; EDB-96-065390
Title: Study of recycling ash of burnt refuse . Part 2. Application of
slag result from melting ash of burnt refuse for ceramics products
Original Title: Toshi gomi shokyakubai no sairiyo ni kansuru kenkyu. 3.
Shokyakubai yoyu slag no yogyo kenzai eno tekiyo
Publication Date: 1 Sep 1995
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/94 (Item 4 from file: 103)
03925074 SWD-95-007617; EDB-96-008834
Title: Corrosivity of flue gas slag in refuse fueled boilers -
Background and slag synthesis
Original Title: Korrosivitet hos roekgasslagg i avfallspannor - Bakgrund
och slaggsyntes
Publication Date: Mar 1995
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/95 (Item 5 from file: 103)
03719132 CLA-94-100748; EDB-94-135098
Title: RDF -pulverized coal co-firing in a slag combustor. Combustion tests at the
Coal Tech facility
Title: Second international conference on combustion technologies for a
clean environment
Conference title: 2. international conference on combustion technologies
for a clean environment
Publication Date: 1993
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/96 (Item 6 from file: 103)
03620671 DE-94-0G1696; EDB-94-036637
Title: Mechanical processing of refuse incinerator slag with special
emphasis on refuse incinerator scrap
Original Title: Mechanische Aufbereitung von Schlacke aus
Muellverbrennungsanlagen mit dem Schwerpunkt Schrott
Publication Date: Dec 1993
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/97 (Item 7 from file: 103)
03423561 DE-92-013630; EDB-93-002437
Title: Possibilities of using refuse combustion slag
Original Title: Verwertungsmoeglichkeiten von Muellverbrennungsschlacke
Publication Date: Sep 1992
Energy SciTec 1974-2001/Sep B2 (c) 2001 Contains copyrighted material
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2/6/98 (Item 8 from file: 103)
01410897 ERA-09-031119; EDB-84-108697
Title: Characterization of slag and fouling residues from co-combustion
of powdered refuse -derived fuel with residual oil and comparison with
coal and RDF residues
Title: Resource recovery from solid wastes
Conference title: Conference on resource recovery from solid wastes
Publication Date: 1982

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