بسم الله الرحمن الرحيم

شبكة المعلومـــــات الجامعية

التوثيق الالكتروني والميكروفيلم

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

﴿ قـــسـم ﴾

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأفلام قد اعدت دون آية تغيرات

يجب أن

تحفظ هذه الأفلام بعيداً عن الغبار

في درجة حرارة من 15 – 20 مئوية ورطوبة نسبية من 20-40 %

To be kept away from dust in dry cool place of
15 – 25c and relative humidity 20-40 %

بعض الوثائق الأصلية تالفة

بالرسالة صفحات

لم ترد بالأصـــل

EVALUATION OF BY-PASS DUST FOR THE PRODUCTION OF BLENDED CEMENT-CONTAINING BLAST-FURNACE SLAG

A Thesis

Presented in

Partial Fulfilment of the Requirements for the Degree of Master of Environmental Science

BY

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ABSTRACT

Two hydration reactions were studied these are unwashed cement kiln dust-slag and washed cement kiln dust-slag hydration reactions with various cement kiln dust-slag weight ratios. The hydrated specimens were cured for various ages ranged from 0.083 to 90 days. At the end of each curing time the specimens were tested for compressive strength, hydration kinetics and X-ray diffraction analysis. From the results of compressive strength it is obvious that the suitable constitution of cement kiln dust-slag mixture, which give reasonable values of compressive strength, is ranged from 20/80 to 30/70 of unwashed cement kiln dust-slag. Also the hydraulic reactivity of the unwashed cement kiln dust is relatively high as compared with the washed cement kiln dust.

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