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Mass transfer characteristics of pipeline leak-before-break in a nuclear power station

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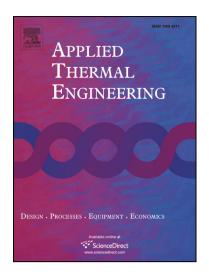
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### **ACCEPTED MANUSCRIPT**

### Title page

# Mass transfer characteristics of pipeline leak-before-break in a nuclear power station

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