Whole Algae Hydrothermal Liquefaction: 2014 State of Technology

TECHNICAL REPORT · Wed Jul 30 00:00:00 EDT 2014

DOI: https://doi.org/10.2172/1165327 · OSTI ID: 1165327

Jones, Susanne B.; Zhu, Yunhua; Snowden-Swan, Lesley J.; Anderson, Daniel; Hallen, Richard T.; Schmidt, Andrew J.; Albrecht, Karl O.; Elliott, Douglas C.

This report describes the base case yields and operating conditions for converting whole microalgae via hydrothermal liquefaction and upgrading to liquid fuels. This serves as the basis against which future technical improvements will be measured.

Research Organization:

Pacific Northwest National Lab. (PNNL), Richland, WA (United States)

Sponsoring Organization:

USDOE

DOE Contract Number:

AC05-76RL01830

OSTI ID:

1165327

Report Number(s):

PNNL-23867; BM0108010

Country of Publication:

United States

Language:

English

Similar Records

Whole Algae Hydrothermal Liquefaction Technology Pathway

Technical Report · Sun Mar 31 00:00:00 EDT 2013 · OSTI ID: 1165327

Biddy, Mary J; Davis, Ryan; Jones, Susanne B; +1 more

Whole Algae Hydrothermal Liquefaction Technology Pathway

Technical Report · Fri Mar 01 00:00:00 EST 2013 · OSTI ID: 1165327

Related Subjects

BIOMASS

ALGAE

ECONOMICS

biomass

algae

microalgae

Biddy, M.; Davis, R.; Jones, S.

Development of Hydrothermal Liquefaction and Upgrading
Technologies for Lipid-Extracted Algae Conversion to Liquid Fuels

Journal Article · Tue Oct 01 00:00:00 EDT 2013 · Algal Research,

2(4):455-464 · OSTI ID: 1165327

Zhu, Yunhua; Albrecht, Karl O.; Elliott, Douglas C.; +2 more

hydrothermal liquefaction

HTL

AHTL

hydrotreating

catalytic gasification

CHG

economics

SOT



Office of Scientific and Technical Information

m Website Policies / Important Links

Contact Us

Vulnerability Disclosure Program

