Boisseau Philippe Form 3 December 10, 2010

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

(City)

(State)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement AMYRIS, INC. [AMRS] À Boisseau Philippe (Month/Day/Year) 12/08/2010 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 2 PLACE JEAN MILLIER (Check all applicable) (Street)

X Director __X__ 10% Owner Officer Other (give title below) (specify below) PARIS LA DEFENSE CEDEX, I0Â 92078

6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person

Form filed by More than One

Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

2. Amount of Securities 1. Title of Security Beneficially Owned (Instr. 4) (Instr. 4)

(Zip)

4. Nature of Indirect Beneficial Ownership Ownership Form: (Instr. 5)

Direct (D) or Indirect

(I) (Instr. 5)

By Total Gas & Power USA, Common Stock 9,651,004 Ι **SAS** (1)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security 3. Title and Amount of 6. Nature of Indirect 2. Date Exercisable and (Instr. 4) **Expiration Date** Securities Underlying Conversion Ownership Beneficial Ownership (Month/Day/Year) **Derivative Security** or Exercise Form of (Instr. 5) (Instr. 4) Price of Derivative Derivative Security: Title Direct (D) Security

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Date Expiration Amount or or Indirect
Exercisable Date Number of (I)
Shares (Instr. 5)

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Boisseau Philippe

2 PLACE JEAN MILLIER X X PARIS LA DEFENSE CEDEX, 10Â 92078

Signatures

/s/ Philippe Boisseau by Tamara Tompkins, Attorney-in-Fact

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Mr. Boisseau, a member of the Issuer's board of directors, is President, Gas & Power Division, Total S.A., the ultimate parent company of Total Gas & Power USA, SAS, and, as such, may be deemed to have voting or investment power over the securities held by Total Gas & Power USA, SAS. Mr. Boisseau disclaims beneficial ownership of the Common Stock, except to the extent of his pecuniary interest therein.

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Remarks:

Exhibit List

Exhibit 24 - Power of Attorney

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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