

FLEXIBLE SOLUTIONS INTERNATIONAL INC  
Form 10-Q  
May 15, 2012

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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, DC 20549

FORM 10-Q

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the quarterly period ended March 31, 2012

OR

TRANSITION REPORT PURSUANT TO 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission File Number: 001-31540

FLEXIBLE SOLUTIONS INTERNATIONAL INC.  
(Exact Name of Issuer as Specified in Its Charter)

Nevada  
(State or other jurisdiction of  
incorporation or organization)

91-1922863  
(I.R.S. Employer Identification No.)

615 Discovery St.  
Victoria, British Columbia, Canada  
(Address of Issuer's Principal Executive  
Offices)

V8T 5G4  
(Zip Code)

Issuer's telephone number: (250) 477-9969

N/A  
(Former name, former address and former  
fiscal year, if changed since last report)

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports) and (2) had been subject to such filing requirements for the past 90 days. Yes  No

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check One):

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Large accelerated filer  Accelerated filer   
Non-accelerated filer  Smaller reporting company   
(Do not check if a smaller reporting company)

Indicate by check mark whether the Registrant is a shell company (as defined in Exchange Act Rule 12b-2 of the Exchange Act). Yes  No

Class of Stock	No. Shares Outstanding	Date
Common	13,169,991	April 30, 2012

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FORM 10-Q

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## CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This document contains “forward-looking statements” within the meaning of the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact are “forward-looking statements” for the purposes of the federal and state securities laws, including, but not limited to: any projections of earnings, revenue or other financials items; any statements of the plans, strategies and objectives of management for future operations; any statements concerning proposed new services or developments; any statements regarding future economic conditions or performance; any statements regarding future economic conditions or performance; any statements of belief; and any statements of assumptions underlying any of the foregoing.

Forward-looking statements may include the words “may,” “could,” “will,” “estimate,” “intend,” “continue,” “believe,” “anticipate” or other similar words. These forward-looking statements present our estimates and assumptions only as of the date of this report. Except for our ongoing obligation to disclose material information as required by the federal securities laws, we do not intend, and undertake no obligation, to update any forward-looking statement.

Although we believe that the expectations reflected in any of our forward-looking statements are reasonable, actual results could differ materially from those projected or assumed in any of our forward-looking statements. Our future financial condition and results of operations, as well as any forward-looking statements, are subject to change and inherent risks and uncertainties. The factors impacting these risks and uncertainties include but are not limited to:

Increased competitive pressures from existing competitors and new entrants;

Increases in interest rates or our cost of borrowing or a default under any material debt agreement;

Deterioration in general or regional economic conditions;

Adverse state or federal legislation or regulation that increases the costs of compliance, or adverse findings by a regulator with respect to existing operations;

Loss of customers or sales weakness;

Inability to achieve future sales levels or other operating results;

The unavailability of funds for capital expenditures; and

Operational inefficiencies in distribution or other systems.

For a detailed description of these and other factors that could cause actual results to differ materially from those expressed in any forward-looking statement, please see “Risk Factors” in our Annual Report on Form 10-K for the year ended December 31, 2011.

## PART I FINANCIAL INFORMATION

## ITEM 1. FINANCIAL STATEMENTS.

FLEXIBLE SOLUTIONS INTERNATIONAL, INC.  
CONSOLIDATED BALANCE SHEETS  
At March 31, 2012  
(U.S. Dollars)

	March 31, 2012 (Unaudited)	December 31, 2011
Assets		
Current		
Cash and cash equivalents	\$752,858	\$506,903
Accounts receivable (see Note 3)	2,650,296	2,332,019
Inventory (see Note 4)	3,089,661	2,890,511
Prepaid expenses	146,889	135,361
	6,639,704	5,864,794
Property, equipment and leaseholds (see Note 5)	8,025,980	8,205,514
Patents (see Note 6)	209,196	208,206
Long term deposits (see Note 7)	7,874	7,733
Deferred tax asset	229,000	219,000
Total Assets	\$15,111,754	\$14,505,247
Liabilities		
Current		
Accounts payable and accrued liabilities	\$570,508	\$514,890
Deferred revenue	312,537	312,392
Taxes payable	540,998	437,998
Line of credit (see Note 8)	725,000	650,000
Current portion of long term debt (see Note 9)	330,067	329,389
	2,479,110	2,244,669
Long Term		
Loans	1,653,644	1,647,603
Total Liabilities	\$4,132,754	\$3,892,272
Stockholders' Equity		
Capital stock		
Authorized		
50,000,000 Common shares with a par value of \$0.001 each		
1,000,000 Preferred shares with a par value of \$0.01 each		
Issued and outstanding		
13,169,991 (2011: 13,169,991) common shares	13,170	13,170
Capital in excess of par value	15,896,705	15,864,348
Accumulated other comprehensive income	588,147	477,139
Deficit	(5,519,022 )	(5,741,682 )
Total Stockholders' Equity	10,978,000	10,612,975

Total Liabilities and Stockholders' Equity	\$15,111,754	\$14,505,247
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Commitments (Note 13)

-- See Notes to Unaudited Consolidated Financial Statements --

FLEXIBLE SOLUTIONS INTERNATIONAL, INC.  
CONSOLIDATED STATEMENTS OF OPERATIONS For the Three Months Ended March 31, 2012 and 2011  
(U.S. Dollars -- Unaudited)

	Three Months Ended March	
	2012	2011
Sales	\$5,194,071	\$4,357,467
Cost of sales	3,219,897	2,573,948
Gross profit	1,974,174	1,783,519
Operating expenses		
Wages	388,563	470,838
Administrative salaries and benefits	130,533	93,614
Advertising and promotion	26,042	37,610
Investor relations and transfer agent fee	59,010	25,824
Office and miscellaneous	99,421	97,335
Insurance	65,013	56,098
Interest expense	34,799	19,281
Rent	47,194	44,665
Consulting	68,940	30,691
Professional fees	92,124	44,931
Travel	29,354	32,650
Telecommunications	6,750	8,908
Shipping	9,188	8,119
Research	20,165	14,115
Commissions	76,702	66,658
Currency exchange	6,230	12,923
Utilities	34,064	41,152
Total operating expenses	1,194,092	1,105,412
Operating income (loss)	780,082	678,107
Gain on sale on equipment	2,217	-
Interest income	361	-
Income (loss) before income tax	782,660	678,107
Deferred tax (recovery)	(10,000 )	-
Provision for income taxes	(570,000 )	(320,000 )
Net income (loss)	222,660	358,107
Net income (loss) per share (basic)	\$0.02	\$0.03
Net income (loss) per share (diluted)	\$0.02	\$0.03
Weighted average number of common shares (basic)	13,169,991	13,596,698
Weighted average number of common shares (diluted)	13,403,559	13,596,698

-- See Notes to Unaudited Consolidated Financial Statements --



FLEXIBLE SOLUTIONS INTERNATIONAL, INC.  
 CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME  
 For the Three Months Ended March 31, 2012 and 2011  
 (U.S. Dollars -- Unaudited)

	Three Months Ended March 31,	
	2012	2011
Net income (loss)	\$222,660	\$358,107
Other comprehensive income (loss)	111,008	126,690
Net comprehensive income (loss)	\$333,668	\$484,797
Basis income per share	0.02	0.03
Diluted income per share	0.02	0.04
Weighted average number of common shares (basic)	13,169,991	13,596,698
Weighted average number of common shares (diluted)	13,403,559	13,596,698

-- See Notes to Unaudited Consolidated Financial Statements --

FLEXIBLE SOLUTIONS INTERNATIONAL, INC.  
CONSOLIDATED STATEMENTS OF CASH FLOWS  
For the Three Months Ended March 31, 2012 and 2011  
(U.S. Dollars -- Unaudited)

	Three Months Ended March 31,	
	2012	2011
<b>Operating activities</b>		
Net income (loss)	\$222,660	\$358,107
Stock compensation expense	32,334	36,839
Depreciation	306,548	81,153
Changes in non-cash working capital items:		
(Increase) Decrease in accounts receivable	(313,421 )	(1,916,725)
(Increase) Decrease in inventory	(188,463 )	24,899
(Increase) Decrease in prepaid expenses	(10,381 )	34,666
(Increase) Decrease in deferred tax asset	(10,000 )	-
Increase (Decrease) in accounts payable	51,352	110,908
Increase (Decrease) in taxes payable	103,000	320,000
Increase (Decrease) in deferred revenue	-	54,975
Cash provided by (used in) operating activities	193,629	(895,178 )
<b>Investing activities</b>		
Acquisition of property and equipment	(7,412 )	(287,698 )
Cash provided by (used in) investing activities	(7,412 )	(287,698 )
<b>Financing activities</b>		
Short term line of credit	75,000	-
Loan	(31,801 )	(30,758 )
Purchase of common stock	-	(1,030,349)
Cash provided (used) by financing activities	43,199	(1,061,107)
Effect of exchange rate changes on cash	16,537	6,272
Inflow (outflow) of cash	245,953	(2,237,711)
Cash and cash equivalents, beginning	506,905	2,763,420
Cash and cash equivalents, ending	\$752,858	\$525,709
<b>Supplemental disclosure of cash flow information:</b>		
Income taxes paid	\$457,000	-
Interest paid	\$34,799	\$19,281

-- See Notes to Unaudited Consolidated Financial Statements --



FLEXIBLE SOLUTIONS INTERNATIONAL, INC.  
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS  
For the Three Months Ended March 31, 2012  
(U.S. Dollars)

1. Basis of Presentation.

These unaudited consolidated financial statements of Flexible Solutions International, Inc (the “Company”) have been prepared in accordance with accounting principles generally accepted in the United States for interim financial information. These financial statements are condensed and do not include all disclosures required for annual financial statements. The organization and business of the Company, accounting policies followed by the Company and other information are contained in the notes to the Company’s audited consolidated financial statements filed as part of the Company’s December 31, 2011 Annual Report on Form 10-K. This quarterly report should be read in conjunction with such annual report.

In the opinion of the Company’s management, these consolidated financial statements reflect all adjustments necessary to present fairly the Company’s unaudited consolidated financial position at March 31, 2012, and the unaudited consolidated results of operations and the unaudited consolidated statements of cash flows for the three months ended March 31, 2012 and 2011. The results of operations for the three months ended March 31, 2012 are not necessarily indicative of the results to be expected for the entire fiscal year.

These unaudited consolidated financial statements include the accounts of Flexible Solutions International, Inc. (the “Company”), and its wholly-owned subsidiaries Flexible Solutions, Ltd. (“Flexible Ltd.”) and NanoChem Solutions Inc. All inter-company balances and transactions have been eliminated. The Company was incorporated May 12, 1998 in the State of Nevada.

The Company and its subsidiaries develop, manufacture and market specialty chemicals which slow the evaporation of water. The Company’s primary product, HEAT\$AVR®, is marketed for use in swimming pools and spas where its use, by slowing the evaporation of water, allows the water to retain a higher temperature for a longer period of time and thereby reduces the energy required to maintain the desired temperature of the water in the pool. Another product, WATER\$AVR®, is marketed for water conservation in irrigation canals, aquaculture, and reservoirs where its use slows water loss due to evaporation. In addition to the water conservation products, the Company also manufactures and markets water-soluble chemicals utilizing thermal polyaspartate biopolymers (hereinafter referred to as “TPAs”), which are beta-proteins manufactured from the common biological amino acid, L-aspartic. TPAs can be formulated to prevent corrosion and scaling in water piping within the petroleum, chemical, utility and mining industries. TPAs are also used as proteins to enhance fertilizers in improving crop yields and as additives for household laundry detergents, consumer care products and pesticides.

2. Significant Accounting Policies.

These unaudited consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States applicable to a going concern and reflect the policies outlined below.

(a) Cash and Cash Equivalents.

The Company considers all highly liquid investments purchased with an original or remaining maturity of less than three months at the date of purchase to be cash equivalents. Cash and cash equivalents are maintained with several financial institutions.



## (b) Inventories and Cost of Sales

The Company has four major classes of inventory: finished goods, work in progress, raw materials and supplies. In all classes, inventory is valued at the lower of cost or market. Cost is determined on a first-in, first-out basis. Cost of sales includes all expenditures incurred in bringing the goods to the point of sale. Inventory costs and costs of sales include direct costs of the raw material, inbound freight charges, warehousing costs, handling costs (receiving and purchasing) and utilities and overhead expenses related to the Company's manufacturing and processing facilities.

## (c) Allowance for Doubtful Accounts

The Company provides an allowance for doubtful accounts when management estimates collectibility to be uncertain. Accounts receivable are continually reviewed to determine which, if any, accounts are doubtful of collection. In making the determination of the appropriate allowance amount, the Company considers current economic and industry conditions, relationships with each significant customer, overall customer credit-worthiness and historical experience.

## (d) Property, Equipment and Leaseholds.

The following assets are recorded at cost and depreciated using the methods and annual rates shown below:

Computer hardware	30% Declining balance
Automobile	30% Declining balance
Furniture and fixtures	20% Declining balance
Manufacturing equipment	20% Declining balance
Office equipment	20% Declining balance
Building and improvements	10% Declining balance
Leasehold improvements	Straight-line over lease term

Property and equipment are written down to net realizable value when management determines there has been a change in circumstances which indicates its carrying amount may not be recoverable. No write-downs have been necessary to date.

## (e) Impairment of Long-Lived Assets.

In accordance with FASB Codification Topic 360, "Property, Plant and Equipment (ASC 360), the Company reviews long-lived assets, including, but not limited to, property and equipment, patents and other assets, for impairment annually or whenever events or changes in circumstances indicate the carrying amounts of assets may not be recoverable. The carrying value of long-lived assets is assessed for impairment by evaluating operating performance and future undiscounted cash flows of the underlying assets. If the sum of the expected future cash flows of an asset is less than its carrying value, an impairment measurement is indicated. Impairment charges are recorded to the extent that an asset's carrying value exceeds its fair value. Accordingly, actual results could vary significantly from such estimates. There were no impairment charges during the periods presented.

(f) Foreign Currency.

The functional currency of one of the Company's subsidiaries is the Canadian Dollar. The translation of the Canadian Dollar to the reporting currency of the U.S. Dollar is performed for assets and liabilities using exchange rates in effect at the balance sheet date. Revenue and expense transactions are translated using average exchange rates prevailing during the year. Translation adjustments arising on conversion of the financial statements from the subsidiary's functional currency, Canadian Dollars, into the reporting currency, U.S. Dollars, are excluded from the determination of income (loss) and are disclosed as other comprehensive income (loss) in stockholders' equity.

(g) Revenue Recognition.

Revenue from product sales is recognized at the time the product is shipped since title and risk of loss is transferred to the purchaser upon delivery to the carrier. Shipments are made F.O.B. shipping point. The Company recognizes revenue when there is persuasive evidence of an arrangement, delivery to the carrier has occurred, the fee is fixed or determinable, collectability is reasonably assured and there are no significant remaining performance obligations. When significant post-delivery obligations exist, revenue is deferred until such obligations are fulfilled. To date there have been no such significant post-delivery obligations.

Provisions are made at the time the related revenue is recognized for estimated product returns. Since the Company's inception, product returns have been insignificant; therefore no provision has been established for estimated product returns.

(h) Stock Issued in Exchange for Services.

The Company's common stock issued in exchange for services is valued at an estimated fair market value based upon trading prices of the Company's common stock on the dates of the stock transactions. The corresponding expense of the services rendered is recognized over the period that the services are performed.

(i) Stock-based Compensation.

The Company recognizes compensation expense for all share-based payments, in accordance with FASB Codification Topic 718, Compensation — Stock Compensation, (ASC 718). Under the fair value recognition provisions of ASC 718, the Company recognizes share-based compensation expense, net of an estimated forfeiture rate, over the requisite service period of the award.

The fair value at grant date of stock options is estimated using the Black-Scholes-Merton option-pricing model. Compensation expense is recognized over the stock option vesting period based on the estimated number of stock options that are expected to vest.

(j) Comprehensive Income.

Other comprehensive income refers to revenues, expenses, gains and losses that under generally accepted accounting principles are included in comprehensive income, but are excluded from net income as these amounts are recorded directly as an adjustment to stockholders' equity. The Company's other comprehensive income is primarily comprised of unrealized foreign exchange gains and losses.

(k) Income (loss) Per Share.

Basic earnings (loss) per share is computed by dividing income (loss) available to common stockholders by the weighted average number of common shares outstanding in the period. Diluted earnings (loss) per share are calculated giving effect to the potential dilution of the exercise of options and warrants. Common equivalent shares, composed of incremental common shares issuable upon the exercise of stock options and warrants are included in diluted net income per share to the extent that these shares are dilutive. Common equivalent shares that have an anti-dilutive effect on net income per share have been excluded from the calculation of diluted weighted average shares outstanding for the three months ended March 31, 2012 and 2011.

(l) Use of Estimates.

The preparation of unaudited consolidated financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities at the date of the unaudited consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates and would impact the results of operations and cash flows.

(m) Fair Value of Financial Instruments

In August 2009, an update was made to Fair Value Measurements and Disclosures — “Measuring Liabilities at Fair Value.” This update permits entities to measure the fair value of liabilities, in circumstances in which a quoted price in an active market for an identical liability is not available, using a valuation technique that uses a quoted price of an identical liability when traded as an asset, quoted prices for similar liabilities or similar liabilities when traded as assets or the income or market approach that is consistent with the principles of Fair Value Measurements and Disclosures. Effective upon issuance, the Company has adopted this guidance with no material impact to the Company’s unaudited consolidated financial statements.

Fair value is defined as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants on the measurement date. Valuation techniques used to measure fair value must maximize the use of observable inputs and minimize the use of unobservable inputs. The standard describes a fair value hierarchy based on three levels of inputs described below, of which the first two are considered observable and the last unobservable, that may be used to measure fair value.

Level 1 – Quoted prices in active markets for identical assets or liabilities

Level 2 – Inputs other than Level 1 that are observable, either directly or indirectly, such as quoted prices for similar assets or liabilities; quoted prices in markets that are not active; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.

Level 3 — Unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

The fair values of cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities for all periods presented approximate their respective carrying amounts due to the short term nature of these financial instruments. Long term debt relates to borrowings from governmental entities and as such no interest has been imputed on the non-interest bearing loan.





(n) Contingencies

Certain conditions may exist as of the date the unaudited consolidated financial statements are issued, which may result in a loss to the Company but which will only be resolved when one or more future events occur or fail to occur. The Company's management and its legal counsel assess such contingent liabilities, and such assessment inherently involves an exercise of judgment. In assessing loss contingencies related to legal proceedings that are pending against the Company or unasserted claims that may result in such proceedings, the Company's legal counsel evaluates the perceived merits of any legal proceedings or unasserted claims as well as the perceived merits of the amount of relief sought or expected to be sought therein.

If the assessment of a contingency indicates that it is probable that a material loss has been incurred and the amount of the liability can be estimated, the estimated liability would be accrued in the Company's unaudited consolidated financial statements. If the assessment indicates that a potential material loss contingency is not probable but is reasonably possible, or is probable but cannot be estimated, then the nature of the contingent liability, together with an estimate of the range of possible loss if determinable and material, would be disclosed.

Loss contingencies considered remote are generally not disclosed unless they involve guarantees, in which case the guarantees would be disclosed.

(o) Income Taxes

Income taxes are accounted for under the asset and liability method. Deferred tax assets and liabilities are recognized for the expected future tax consequences attributable to temporary differences between the financial statement carrying amounts of existing assets and liabilities and their respective tax bases and operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates expected to apply to taxable income in the years in which those temporary differences are expected to be recovered or settled. The effect on deferred tax assets and liabilities of a change in tax rates is recognized in income in the period that includes the enactment date. Deferred tax assets are reduced by a valuation allowance so that the assets are recognized only to the extent that when, in the opinion of management, it is more likely than not that some portion or all of the deferred tax assets will be realized.

Per FASB ASC 740 "Income taxes" under the liability method, it is the Company's policy to provide for uncertain tax positions and the related interest and penalties based upon management's assessment of whether a tax benefit is more likely than not to be sustained upon examination by tax authorities. At March 31, 2012, the Company believes it has appropriately accounted for any unrecognized tax benefits. To the extent the Company prevails in matters for which a liability for an unrecognized benefit is established or is required to pay amounts in excess of the liability, the Company's effective tax rate in a given financial statement period may be affected. Interest and penalties associated with the Company's tax positions are recorded as interest expense.

(p) Risk Management

The Company's credit risk is primarily attributable to its account receivables. The amounts presented in the accompanying unaudited consolidated balance sheets are net of allowances for doubtful accounts, estimated by the Company's management based on prior experience and the current economic environment. The Company is exposed to credit-related losses in the event of non-performance by counterparties to the financial instruments. Credit exposure is minimized by dealing with only credit worthy counterparties. Accounts receivable for the three primary customers totals \$1,249,501 (47%) as at March 31, 2012 (2011 - \$1,615,743 or 52%).



The credit risk on cash and cash equivalents is limited because the Company limits its exposure to credit loss by placing its cash and cash equivalents with major financial institutions.

The Company is not exposed to significant interest rate risk to the extent that the long term debt maintained from the foreign government agencies is subject to a fixed rate of interest.

In order to manage its exposure to foreign exchange risks, the Company is closely monitoring the fluctuations in the foreign currency exchange rates and the impact on the value of cash and cash equivalents, accounts receivable, and accounts payable and accrued liabilities.

(q) Recently Adopted Accounting Pronouncements

In September 2011, the Financial Accounting Standards Board (“FASB”) amended its goodwill guidance by providing entities an option to use a qualitative approach to test goodwill for impairment. An entity will be able to first perform a qualitative assessment to determine whether it is more likely than not that the fair value of a reporting unit is less than its carrying value. If it is concluded that this is the case, it is necessary to perform the currently prescribed two-step goodwill impairment test. Otherwise, the two-step goodwill impairment test is not required. The amendment was effective for the Company on January 1, 2012. This amendment did not have a material impact on the Company’s financial position or results of operations.

In 2011, the FASB issued new accounting guidance that requires total comprehensive income, the components of net income and the components of other comprehensive income to be presented either in a single continuous statement or in two separate but consecutive statements. This guidance was effective for the Company in the fiscal year beginning January 1, 2012. The new guidance eliminates the current option to report other comprehensive income and its components in the statement of shareholders’ equity. While the new guidance changes the presentation of other comprehensive income, there are no changes to the components that are recognized in other comprehensive income. Other than presentation, the adoption of this guidance did not have an impact on the Company’s financial position or results of operations.

3. Accounts Receivable

	March 31, 2012	December 31, 2011
Accounts receivable	\$ 2,663,746	\$ 2,345,211
Allowances for doubtful accounts	(13,450 )	(13,192 )
	\$ 2,650,296	\$ 2,332,019

The Company has pledged \$350,748 of the above listed accounts receivable as collateral for the Flexible Solutions Ltd. loan from AFSC (see Note 9b).

4. Inventory

	March 31, 2012	December 31, 2011
Completed goods	\$ 1,449,066	\$ 1,702,842
Work in progress	18,399	20,317
Raw materials	1,622,196	1,167,352
	\$ 3,089,661	\$ 2,890,511



## 5. Property, Plant &amp; equipment

	March 31, 2012 Cost	Accumulated Depreciation	March 31, 2012 Net
Buildings	\$ 5,366,751	\$ 1,822,723	\$ 3,544,028
Computer hardware	104,840	83,250	21,590
Furniture and fixtures	28,334	20,947	7,387
Office equipment	23,884	20,152	3,732
Manufacturing equipment	5,944,012	2,110,428	3,833,584
Trailer	17,308	12,797	4,511
Technology	136,953	6,848	130,105
Truck	11,920	8,705	3,215
Land	477,828	—	477,828
	\$ 12,111,830	\$ 4,085,850	\$ 8,025,980

	December 31, 2011 Cost	Accumulated Depreciation	December 31, 2011 Net
Buildings	\$ 3,216,859	\$ 1,731,782	\$ 1,485,077
Plant under construction and equipment	5,520,598	—	5,520,598
Computer hardware	103,614	80,475	23,139
Furniture and fixtures	27,953	20,268	7,685
Office equipment	23,427	19,573	3,854
Manufacturing equipment	2,447,864	1,900,110	547,754
Trailer	27,447	20,260	7,187
Technology	134,327	—	134,327
Truck	11,691	8,283	3,408
Land	472,485	—	472,485
	\$ 11,986,265	\$ 3,780,751	\$ 8,205,514

Amount of depreciation expense for three months ended March 31, 2012: \$306,548 (2011: \$81,153)

The following capitalized costs pertaining to the Company's new plant in Taber, Alberta are classified as Plant Under Construction and Equipment at December 31, 2011 and included contracted costs and supplies. The Company began depreciating the Plant and Equipment as of January 1, 2012.

	December 31, 2011 Cost
Building	\$ 1,040,078
Building improvements	1,068,606
Manufacturing equipment	3,411,914
	\$ 5,520,598

The following carrying amount of capital assets held by Flexible Solutions Ltd. serves as collateral for the AFSC loan. (See Note 9b):

Land	\$278,735
Building	1,030,400
Building improvements	1,062,252
Manufacturing equipment	3,363,100
Trailer	4,511
Truck	3,215
Technology	130,105

6. Patents

In fiscal 2005, the Company started the patent process for additional WATER\$AVR® products. Patents associated with these costs were granted in 2006 and they have been amortized over their legal life of 17 years.

Of the patents costs listed below, \$79,354 (2011 - \$77,844) are not subject to amortization as of March 31, 2012, as the patents are still in the process of being approved.

	March 31, 2012 Cost	Accumulated Amortization	March 31, 2012 Net
Patents	\$ 265,763	\$ 56,567	\$ 209,196

	December 31, 2011 Cost	Accumulated Amortization	December 31, 2011 Net
Patents	\$ 260,680	\$ 52,474	\$ 208,206

Increase in 2012 cost was due to currency conversion. 2012 cost in Canadian dollars - \$265,102 (2011 - \$265,102 in Canadian dollars).

Amount of depreciation for 2012 - \$3,056 (2011 - \$2,932)

Estimated depreciation expense over the next five years is as follows:

2012	\$12,269
2013	12,269
2014	12,269
2015	12,269
2016	12,269

## 7. Long Term Deposits

The Company has reclassified certain security deposits to better reflect their long term nature. Long term deposits consist of damage deposits held by landlords and security deposits held by various vendors.

	March 31, 2012	December 31, 2011
Long term deposits	\$ 7,874	\$ 7,733

## 8. Short-Term Line of Credit

On February 28, 2011, the Company entered into a Business Loan Agreement (the Revolving Line of Credit Agreement) with Harris Bank (the Bank). The Revolving Line of Credit Agreement provides for a secured working capital-based revolving line of credit (the Revolving Line) in an aggregate amount of up to the lesser of (i) \$1,500,000, or (ii) 75% of eligible domestic accounts receivable and certain foreign accounts receivable plus 40% of inventory. Amounts advanced under the Revolving Line bear interest at an annual rate equal to the lender's prime rate plus 0.75%. Interest on the Revolving Line is due monthly, with the balance due on February 28, 2012, which is the scheduled maturity date for the Revolving Line.

The Revolving Line of Credit contains customary affirmative and negative covenants, including the following: compliance with laws, provision of financial statements and periodic reports, payment of taxes, maintenance of inventory and insurance, maintenance of operating accounts at the Bank, the Bank's access to collateral, formation or acquisition of subsidiaries, incurrence of indebtedness, dispositions of assets, granting liens, changes in business, ownership or business locations, engaging in mergers and acquisitions, making investments or distributions and affiliate transactions. The covenants also require that the Company maintain a minimum ratio of qualifying financial assets to the sum of qualifying financial obligations.

To secure the repayment of any amounts borrowed under the Revolving Line of Credit, the Company granted to the Bank a security interest in substantially all of its assets of NanoChem Solutions Inc., which assets do not include its intellectual property assets.

In March 2012, the Company signed a new agreement with Harris Bank to replace the expiring one. The revolving line of credit was increased to an aggregate amount of up to the lesser of (i) \$5,000,000, or (ii) 75% of eligible domestic accounts receivable and certain foreign accounts receivable plus 40% of inventory. As well, the Company obtained a further \$1,400,000 with a secured loan. Both loans are at an annual interest rate of 3.75%.

Short-term borrowings outstanding under the Revolving Line as of March 31, 2012 were \$725,000 (December 31, 2011 - \$625,000) and there were no amounts outstanding on the secured loan.

## 9. Long Term Debt

(a) Flexible Solutions Ltd. has received a non-interest bearing loan from the Department of Agriculture and Agri-Food Canada ("AAFC"). Eligible for up to \$1,000,000 in Canadian funds, the Company had borrowed \$910,801 in Canadian funds (US\$895,576) as of December 31, 2011 on an unsecured basis. The balance owing at March 31, 2012 was \$728,641 in Canadian funds (US\$730,462); (December 31, 2011 - \$728,641CDN; US\$716,461). The repayment schedule is as follows:



Amount Due (in CDN funds)	Payment Due Date
\$182,160	December 31, 2012
\$182,160	December 31, 2013
\$182,160	December 31, 2014
\$182,161	December 31, 2015

(b) Flexible Solutions Ltd. has also received a 5% simple interest loan from Agriculture Financial Services Corp. ("AFSC"). Eligible for up to \$2,000,000 in Canadian funds, the Company had originally borrowed \$1,491,000 in Canadian funds and the balance as of December 31, 2010 was \$1,405,492 in Canadian funds (\$1,413,082US). The Company was required to make interest payments until May 1, 2010 and then started to pay down the principal in equal payments until May 1, 2014. The borrowing balance as March 31, 2012 was \$1,250,123 in Canadian funds (\$1,253,249US). The Company has pledged the assets of the Taber, AB building, including equipment, inventory and accounts receivable (see Notes 3 and 5) as collateral, as well as signed a promissory note guaranteeing the amount of the loan.

The Company has committed to the following repayments:

2012	\$ 142,813
2013	\$ 190,417
2014	\$ 79,341

	March 31, 2012	December 31, 2011
Continuity		
Balance, January 1	\$ 1,976,992	2,328,801
Less: Payments on loan	47,433	309,055
Effect of exchange rate	54,152	(42,754 )
Balance,	\$ 1,983,711	\$ 1,976,992
Outstanding balance at:	2012	2011
a) Long term debt – AAFC	\$ 730,462	\$ 716,461
b) Long term debt – AFSC	1,253,249	1,260,531
Long term debt	\$ 1,983,711	\$ 1,976,992
Less: current portion	(330,067 )	(329,389 )
Balance	\$ 1,653,644	\$ 1,647,603

## 10. Stock Options

The Company adopted a stock option plan ("Plan"). The purpose of this Plan is to provide additional incentives to key employees, officers, directors and consultants of the Company and its subsidiaries in order to help attract and retain the best available personnel for positions of responsibility and otherwise promote the success of its business. It is intended that options issued under this Plan constitute non-qualified stock options. The general terms of awards under the option plan are that 100% of the options granted will vest the year following the grant. The maximum term of options granted is 5 years.

The Company may issue stock options and stock bonuses for shares of its common stock to provide incentives to directors, key employees and other persons who contribute to the success of the Company. The exercise price of all incentive options are issued for not less than fair market value at the date of grant.

The following table summarizes the Company's stock option activity for the year ended December 31, 2011 and the three month period ended March 31, 2012:

	Number of shares	Exercise price per share	Weighted average exercise price
Balance, December 31, 2010	1,836,700	\$ 1.50 - 3.60	\$ 3.03
Granted	663,000	\$ 1.50 - 2.45	\$ 1.63
Cancelled or expired	(1,306,000)	\$ 1.90 - 3.60	\$ 3.23
Balance, December 31, 2011	1,193,700	\$ 1.50 - 3.60	\$ 2.04
Granted	89,000	\$ 2.22	\$ 2.22
Cancelled or expired	(57,000)	\$ 3.60	\$ 3.60
Balance, March 31, 2012	1,225,700	\$ 1.50 - 3.60	\$ 1.98
Exercisable, March 31, 2012	712,700	\$ 1.50 - 3.60	\$ 2.19

The fair value of each option grant is calculated using the following weighted average assumptions:

	2012		2011	
Expected life – years	5.0		5.0	
Interest rate	0.91	%	1.8	%
Volatility	60	%	62	%
Dividend yield	—	%	—	%
Weighted average fair value of options granted	\$ 0.90		\$ 0.39-0.50	

During the three months ended March 31, 2012 the Company granted 28,000 options to consultants that resulted in \$5,015 in expenses this quarter. During the same period, 61,000 options were granted to employees, resulting in \$10,568 in expenses this quarter. Options granted in previous quarters resulted in additional expenses in the amount of \$7,230 for consultants and \$9,544 for employees during the quarter ended March 31, 2012. No stock options were exercised during the period.

During the three months ended March 31, 2011 the Company granted 196,000 options to consultants that resulted in \$13,550 in expenses this quarter. During the same period, 162,000 options were granted to employees, resulting in \$17,317 in expenses this quarter. Options granted in previous quarters resulted in additional expenses in the amount of \$5,971 for employees during the quarter ended March 31, 2011. No stock options were exercised during the period.

#### 11. Capital Stock.

On February 16, 2011 the Company repurchased and cancelled 792,576 shares of common stock for \$1.30 per share, for a total of \$1,030,349.

There was no stock activity for the period ended March 31, 2012.

12. Segmented, Significant Customer Information and Economic Dependency.

The Company operates in two segments:

(a) Development and marketing of two lines of energy and water conservation products (as shown under the column heading “EWCP” below), which consists of a (i) liquid swimming pool blanket which saves energy and water by inhibiting evaporation from the pool surface, and (ii) food-safe powdered form of the active ingredient within the liquid blanket and which is designed to be used in still or slow moving drinking water sources.

(b) Manufacture of biodegradable polymers and chemical additives used within the petroleum, chemical, utility and mining industries to prevent corrosion and scaling in water piping (as shown under the column heading “BPCA” below). These chemical additives are also manufactured for use in laundry and dish detergents, as well as in products to reduce levels of insecticides, herbicides and fungicides.

The accounting policies of the segments are the same as those described in Note 2, Significant Accounting Policies. The Company evaluates performance based on profit or loss from operations before income taxes, not including nonrecurring gains and losses and foreign exchange gains and losses.

The Company’s reportable segments are strategic business units that offer different, but synergistic products and services. They are managed separately because each business requires different technology and marketing strategies.

Three months ended March 31, 2012:

	EWCP	BPCA	Total
Revenue	\$ 274,822	\$ 4,919,249	\$ 5,194,071
Interest revenue	352	9	361
Interest expense	15,673	19,126	34,799
Depreciation and amortization	243,458	63,090	306,548
Segment profit (loss)	(710,161 )	932,821	222,660
Segment assets	6,099,484	2,135,692	8,235,176
Expenditures for segment assets	7,412	-	7,412

Three months ended March 31, 2011:

	EWCP	BPCA	Total
Revenue	\$ 411,317	\$ 3,946,150	\$ 4,357,467
Interest revenue	-	-	-
Interest expense	19,281	-	19,281
Depreciation and amortization	10,807	70,346	81,153
Segment profit (loss)	(470,252 )	828,359	358,107
Segment assets	5,857,849	2,364,810	8,222,659
Expenditures for segment assets	270,329	17,369	287,698

The sales generated in the United States and Canada are as follows:

	Three months ended March 31, 2012	Three months ended March 31, 2011
Canada	\$ 419,073	\$ 205,766
United States and abroad	4,774,998	4,151,701
Total	\$ 5,194,071	\$ 4,357,467

The Company's long-lived property and equipment, and patents are located in Canada and the United States as follows:

	March 31, 2012	December 31, 2011
Canada	\$ 6,151,496	\$ 6,214,939
United States	2,083,680	2,198,781
<b>Total</b>	<b>\$ 8,235,176</b>	<b>\$ 8,413,720</b>

Three customers accounted for \$2,987,686 (58%) of sales made in the period (2011 - \$2,506,107 or 64%).

13. Commitments.

The Company is committed to minimum rental payments for property and premises aggregating approximately \$235,220 over the term of three leases, the last expiring on July 31, 2014.

Commitments in each of the next three years are approximately as follows:

2012	107,920
2013	79,460
2014	47,840

14. Comparative Figures.

Certain of the comparative figures have been reclassified to conform with the current period's presentation.

## ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF RESULTS OF OPERATION AND FINANCIAL CONDITION.

### Overview

The Company develops, manufactures and markets specialty chemicals that slow the evaporation of water. The Company also manufactures and markets biodegradable polymers which are used in the oil, gas and agriculture industries.

### Results of Operations

The Company has two product lines:

**Energy and Water Conservation products** - The Company's HEAT\$AVR® product is used in swimming pools and spas. The product forms a thin, transparent layer on the water's surface. The transparent layer slows the evaporation of water, allowing the water to retain a higher temperature for a longer period of time and thereby reducing the energy required to maintain the desired temperature of the water. WATER\$AVR®, a modified version of HEAT\$AVR®, can be used in reservoirs, potable water storage tanks, livestock watering ponds, canals, and irrigation ditches.

**BCPA products** - The second product, TPA's (i.e. thermal polyaspartate biopolymers), are biodegradable polymers used by the petroleum, chemical, utility and mining industries to prevent corrosion and scaling in water piping. This product can also be used in detergents to increase biodegradability and in agriculture to increase crop yields by enhancing fertilizer uptake.

Material changes in the Company's Statement of Operations for the three months ended March 31, 2012 are discussed below:

### Three Months Ended March 31, 2012

Item	Increase (I) or Decrease (D)	Reason
Sales		
EWCP products	D	Increased orders in the previous quarter contributed to decreased orders in this quarter.
BPCA products	I	Increased sales across all market verticals due to increased success in sales activity.
Gross Profit	I	Increased sales.
Wages	D	Normal employee attrition replaced by temporary consultants.
Administrative salaries and benefits	I	Increased sales.
Investor relations and transfer agent fees	D	Additional effort was made to increase investor awareness of the Company

Consulting	I	Temporary consultants were used to replace normal employee attrition.
Professional fess	I	Legal costs to protect the Company's intellectual property have increased due to new patent filings and cost of arbitration proceeding.
Commissions	I	Increased sales for the quarter resulted in higher commissions.



## Capital Resources and Liquidity

The Company's sources and (uses) of cash for the three months ended March 31, 2012 and 2011 are shown below:

	2012	2011
Cash provided (used) by operations	195,800	(895,178 )
Construction of plant in Taber, AB	(9,854 )	(270,329 )
Sale (purchases) of equipment	2,442	(17,369 )
Repayment of loans	(31,801 )	(30,758 )
Borrowings from line of credit	75,000	-
Purchase of common stock	-	(1,030,349)
Changes in exchange rates	14,366	6,272

In February 2011 the Company purchased 792,576 shares of its common stock from unrelated third parties. The shares were acquired in privately negotiated transactions for a total purchase price of \$1,030,349. None of the share were acquired in open market transactions.

In 2007, the Company began construction of a plant in Taber Alberta. The plant is being used to manufacture aspartic acid which is the major component of TPAs. Presently the Company buys most of its aspartic acid from China where the base raw material is oil. The Company's plant in Taber uses sugar as the base raw material. Although the Company expects that it will still import some aspartic acid from China, using aspartic acid manufactured by its plant from sugar will reduce its raw material costs, reduce price fluctuations generated by oil prices and reduce shipping costs.

The Company has sufficient cash resources to meets its future commitments and cash flow requirements for the coming year. As of March 31, 2012 working capital was \$4,160,594 (2011 - \$3,376,569) and the Company has no substantial commitments that require significant outlays of cash over the coming fiscal year.

The Company is committed to minimum rental payments for property and premises aggregating approximately \$235,219 over the term of three leases, the last expiring on July 31, 2014.

Commitments in each of the next four years are approximately as follows:

2012	107,920
2013	79,460
2014	47,840

Other than as disclosed above, we do not anticipate any capital requirements for the twelve months ending December 31, 2012.

Other than as disclosed in this report, we do not know of any trends, demands, commitments, events or uncertainties that will result in, or that are reasonable likely to result in, our liquidity increasing or decreasing in any material way.

Other than as disclosed in this report, we do not know of any significant changes in our expected sources and uses of cash.

We do not have any commitments or arrangements from any person to provide us with any equity capital.

See Note 2 to the financial statements included as part of this report for a description of our significant accounting policies.

#### ITEM 4. CONTROLS AND PROCEDURES

##### Evaluation of Disclosure Controls and Procedures

Under the direction and with the participation of our management, including our Principal Executive and Financial Officer, we conducted an evaluation of the effectiveness of the design and operation of our disclosure controls and procedures as of March 31, 2012. We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our periodic reports with the Securities and Exchange Commission is recorded, processed, summarized and reported within the time periods specified in the SEC's rules and regulations, and that such information is accumulated and communicated to our management, including our principal executive and financial officer, as appropriate, to allow timely decisions regarding required disclosure. Our disclosure controls and procedures are designed to provide a reasonable level of assurance of reaching desired disclosure control objectives. Based on the evaluation, our Principal Executive and Financial Officer concluded that these disclosure controls and procedures are effective as of March 31, 2012.

##### Changes in Internal Control over Financial Reporting

Our management, with the participation of our Principal Executive and Financial Officer, evaluated whether any change in our internal control over financial reporting occurred during the three months ended March 31, 2012. Based on that evaluation, it was concluded that there has been no change in our internal control over financial reporting during the three months ended March 31, 2012 that materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

## PART II

## ITEM 1. LEGAL PROCEEDINGS.

On June 29, 2011, WaterSavr Singapore Pte. Ltd., a former distributor of the Company's WATERSAVR product, initiated an arbitration proceeding with the American Arbitration Association in New York, NY asserting multiple claims. The Company has denied the allegations of WaterSavr Singapore Pte. Ltd. and is defending itself vigorously. At this time the amount and outcome of the claims are indeterminable, and may be monetarily favorable to FSI. The company has included in deferred revenue \$250,000 of cash received from WaterSavr Singapore Pte. Ltd. related to the arbitration proceedings.

## ITEM 6. EXHIBITS.

Number	Description
3.1	Amended and Restated Certificate of Incorporation of the registrant. (1)
3.2	Bylaws of the registrant. (1)
<u>31.1</u>	Certification of Principal Executive Officer Pursuant to §302 of the Sarbanes-Oxley Act of 2002.*
<u>31.2</u>	Certification of Principal Financial Officer Pursuant to §302 of the Sarbanes-Oxley Act of 2002.*
<u>32.1</u>	Certification of Principal Executive and Financial Officer Pursuant to 18 U.S.C. §1350 and §906 of the Sarbanes-Oxley Act of 2002.*

\* Filed with this report.

(1) Incorporated by reference to the registrant's Registration Statement on Form 10-SB (SEC File. No. 000-29649) filed February 22, 2000.

SIGNATURES

In accordance with the requirements of Section 13 or 15(d) of the Exchange Act, the registrant caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Flexible Solutions International, Inc.

Date: May 15, 2012

By: /s/ Daniel B. O'Brien  
Name: Daniel B. O'Brien  
Title: President and Principal Executive Officer

By: /s/ Daniel B. O'Brien  
Name: Daniel B. O'Brien  
Title: Principal Financial and Accounting Officer