



CLEARPOOL

Trading Authorization -- Limited
To Purchases and Sales of Securities

Gentlemen: _____
(Print name of agent being designated to trade account or sub account)

The undersigned hereby authorizes (whose signature appears on the new account as Authorized Trader) as the undersigned's agent and attorney-in-fact (herein referred to as "agent") to buy, sell (including short sales), and trade in stocks, bonds, options, (including the sales of uncovered options) and any other securities and f or contracts relating to the same, on margin or otherwise, in accordance with your terms and conditions, for the undersigned's account and risk and in the undersigned's name or number on your books. The undersigned hereby agrees to indemnify and hold you, or any entity clearing transactions through you harmless from all claims, demands or investigations and to pay you promptly on demand any and all losses arising there from or debit balance thereon.

In all such purchases, sales or trades you, or any entity clearing transactions through you, are authorized to follow the instructions of the agent in every respect concerning the undersigned's account with you, and the agent is authorized to set for the undersigned and in the undersigned's behalf in the same manner and with the same force and effect as the undersigned might or could do with respect to such purchases, sales or trades as well as with respect to all other things necessary or incidental to the furtherance or conduct of such purchases, sales or trades. The undersigned hereby ratifies and confirms any and all such transactions with you, or any entity clearing transactions through you heretofore or hereafter by the agent for or with respect to the undersigned's account.

The authorization and indemnity is in addition to and in no way limits or restricts any rights which you, or any entity clearing through you may have under any other agreement with the undersigned. This authorization and indemnity is also a continuing one and shall remain in full force and effect until revoked by the undersigned by a written notice addressed to you and delivered to your main office, but such revocation shall not affect any liability in any way resulting from transactions initiated prior to your receipt of such revocations. In any case of the death of the undersigned, this authorization shall continue and you shall not be responsible for any action taken on the basis of this authorization until you have received written notice of death addressed to you and delivered to your main office. This authorization and indemnity shall be assignable by Clearpool Execution Services, LLC ("CES") and/or the introducing broker as the case may be and shall inure to the benefit of any successor or assign of CES and/or the introducing broker.

If this authorization makes any officer or employee of your firm, or any entity clearing transactions through you my agent and attorney-in-fact, you as the case may be, are authorized to place all orders on behalf of this account through your firm or any entity clearing transactions through you and to charge the prevailing commission rate for such

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transactions. The undersigned understands that other brokers may possibly have lower commission rates but neither your firm nor any entity clearing transactions through you is under any obligation to determine if lower rates available or to execute transactions at the lowest rates available. Similarly, the undersigned understands that in the case of equity securities traded in over-the-counter markets, where you, or any entity clearing transactions through you are market maker, and in the case of fixed income securities, you or any entity clearing transactions through you may sell to or buy from the undersigned as principal, as is customary, on the same basis as you, or any entity clearing transactions through you deal with other public customers effecting transactions of comparable size.

This agreement and all transactions, whether you, or any entity clearing transactions through you are acting as broker or principal, shall be governed by the laws of the State of New York and subject to the constitution, rules, customs and usage of the exchange or market, including the over-the-counter market, and it's clearing house, if any, where the transactions are affected, as well as the rules of the Securities and Exchange Commission. The undersigned agrees, and by carrying an account for the undersigned you, or any entity clearing transactions through you agree, that all controversies which may arise between us concerning any transaction or the construction, performance or breach of this or any agreement between us, whether entered into prior, on, or subsequent to the date hereof, shall be determined by arbitration, to be held before the New York Stock Exchange, Inc. or the American Stock Exchange, Inc. or FINRA and in accordance with the rules then obtaining. The undersigned may elect in the first instance whether arbitration shall be by the New York Stock Exchange, Inc. or FINRA but if the undersigned fails to make such elections, by registered letter or telegram addressed to you at your main office, before the expiration of five days after a receipt of a written request from you, then you, or any entity clearing transactions through you, may make such selection. Any arbitration shall be before at least three arbitrators and the award of the arbitrators, or of the majority of them, shall be final, and judgment upon the award rendered may be entered in any court, state or federal, having jurisdictions. It is understood that this agreement to arbitrate does not constitute a waiver of the right to judicial forum where such waiver would be void under the securities laws and specifically does not prohibit the undersigned from pursuing any claim or claims arising under the federal securities laws in any court of competent jurisdiction.

The undersigned has read the foregoing i n its entirety before signing.

(Print Name of Agent)

(Signature of Agent)

(Customer Account number)



(Customer Signature)

(Signature of Witness)

Witness (signature must be witnessed by a Partner, Branch Manager or Officer of a correspondent firm or acknowledged by a Notal)-Public.

Note: the signature being attested to must be that of the grantor of trading authority -the account holder.